

**The Czech Republic - 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 the Czech Republic. 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	10	5.4	2.8	1.5	0.8	0.4	0.2	0.1	0.1	0.0	
1	27 (19-34)	15 (10-20)	8.4 (5.6-11)	4.5 (3.0-6.0)	2.4 (1.6-3.2)	1.3 (0.8-1.7)	0.7 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	
2	39 (26-53)	23 (14-33)	13 (7.9-19)	7.1 (4.2-11)	3.8 (2.2-5.8)	2.0 (1.2-3.1)	1.1 (0.6-1.6)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	
3	52 (36-68)	33 (21-48)	20 (12-30)	11 (6.4-17)	5.9 (3.4-9.4)	3.2 (1.8-5.1)	1.7 (0.9-2.7)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.1-0.4)	0.1 (0.1-0.2)	
4	66 (52-80)	46 (33-62)	29 (19-41)	16 (11-25)	9.1 (5.7-14)	4.9 (3.0-7.6)	2.6 (1.6-4.1)	1.4 (0.8-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	
5	79 (70-86)	60 (50-73)	40 (31-52)	24 (18-33)	14 (10-19)	7.5 (5.4-11)	4.0 (2.9-5.8)	2.1 (1.5-3.1)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	
6	87	74	54	34	20	11	6.1	3.2	1.7	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 the Czech Republic.

**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	10	5.7	3.1	1.7	0.9	0.5	0.3	0.2	0.1	0.1
1	26 (19-32)	15 (11-19)	8.8 (6.0-11)	4.9 (3.3-6.1)	2.7 (1.8-3.4)	1.5 (1.0-1.9)	0.8 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	37 (25-48)	23 (15-31)	13 (8.4-19)	7.5 (4.7-11)	4.2 (2.6-6.0)	2.3 (1.4-3.3)	1.3 (0.8-1.8)	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	49 (35-62)	32 (22-44)	20 (12-28)	11 (7.0-17)	6.4 (3.9-9.7)	3.6 (2.1-5.4)	2.0 (1.2-3.0)	1.1 (0.6-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	62 (50-74)	44 (33-57)	28 (20-39)	17 (11-24)	9.6 (6.4-14)	5.4 (3.6-8.2)	3.0 (2.0-4.6)	1.6 (1.1-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
5	74 (67-81)	57 (49-68)	39 (32-50)	24 (19-32)	14 (11-20)	8.1 (6.3-11)	4.5 (3.5-6.4)	2.5 (1.9-3.6)	1.4 (1.1-2.0)	0.8 (0.6-1.2)	0.5 (0.4-0.7)
6	82	69	51	34	21	12	6.8	3.8	2.1	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	9.3	5.5	3.3	1.9	1.1	0.6	0.4	0.2	0.1	0.1
1	22 (16-26)	14 (9.8-16)	8.3 (5.8-9.8)	5.0 (3.4-5.8)	2.9 (2.0-3.4)	1.7 (1.2-2.0)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.2)
2	31 (22-40)	20 (14-26)	12 (8.2-17)	7.4 (4.8-10)	4.4 (2.8-6.0)	2.6 (1.7-3.5)	1.5 (1.0-2.1)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	42 (31-52)	28 (20-37)	18 (12-24)	11 (7.3-15)	6.6 (4.3-9.4)	3.9 (2.5-5.6)	2.3 (1.5-3.3)	1.3 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	53 (44-64)	38 (29-49)	25 (19-34)	16 (11-22)	9.7 (6.9-14)	5.8 (4.1-8.4)	3.4 (2.4-5.0)	2.0 (1.4-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.7)
5	64 (59-73)	49 (43-59)	34 (29-44)	22 (19-30)	14 (12-19)	8.5 (7.0-12)	5.1 (4.1-7.0)	3.0 (2.4-4.2)	1.8 (1.5-2.5)	1.1 (0.9-1.5)	0.7 (0.5-0.9)
6	74	61	45	31	20	12	7.4	4.4	2.7	1.6	1.0

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the Czech Republic.

**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	14	8.9	5.6	3.5	2.2	1.3	0.8	0.5	0.3	0.2	0.1
1	20 (15-22)	13 (9.3-14)	8.2 (5.9-9.3)	5.2 (3.7-5.9)	3.2 (2.3-3.7)	2.0 (1.4-2.3)	1.2 (0.9-1.4)	0.8 (0.5-0.9)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	27 (20-33)	18 (13-23)	12 (8.2-15)	7.5 (5.2-9.7)	4.8 (3.2-6.1)	3.0 (2.0-3.9)	1.8 (1.2-2.4)	1.2 (0.8-1.5)	0.7 (0.5-1.0)	0.5 (0.3-0.6)	0.3 (0.2-0.4)
3	36 (28-44)	25 (19-32)	17 (12-22)	11 (7.8-14)	6.9 (4.9-9.2)	4.4 (3.0-5.9)	2.7 (1.9-3.7)	1.7 (1.2-2.3)	1.1 (0.8-1.5)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
4	45 (38-54)	33 (27-42)	23 (18-30)	15 (12-21)	9.9 (7.6-14)	6.3 (4.8-8.8)	4.0 (3.0-5.6)	2.5 (1.9-3.5)	1.6 (1.2-2.3)	1.0 (0.8-1.5)	0.7 (0.5-0.9)
5	55 (51-63)	43 (39-51)	31 (27-39)	21 (19-27)	14 (12-18)	9.0 (7.8-12)	5.7 (4.9-7.8)	3.6 (3.1-5.0)	2.3 (2.0-3.2)	1.5 (1.3-2.1)	1.0 (0.8-1.3)
6	64	52	40	28	19	13	8.2	5.2	3.4	2.2	1.4

**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	13	9.1	6.1	4.1	2.7	1.8	1.2	0.8	0.5	0.4	0.2
1	20 (18-26)	14 (13-18)	9.6 (8.5-12)	6.5 (5.7-8.4)	4.3 (3.8-5.6)	2.9 (2.5-3.7)	1.9 (1.6-2.5)	1.3 (1.1-1.7)	0.9 (0.7-1.1)	0.6 (0.5-0.8)	0.4 (0.3-0.5)
2	29 (25-36)	21 (18-27)	15 (12-19)	10 (8.3-13)	6.9 (5.6-9.1)	4.6 (3.7-6.1)	3.1 (2.5-4.1)	2.1 (1.7-2.8)	1.4 (1.1-1.9)	0.9 (0.8-1.3)	0.6 (0.5-0.9)
3	40 (33-47)	30 (25-37)	22 (18-27)	16 (12-19)	11 (8.4-14)	7.3 (5.6-9.2)	4.9 (3.8-6.2)	3.3 (2.5-4.2)	2.3 (1.7-2.9)	1.5 (1.2-2.0)	1.0 (0.8-1.3)
4	51 (43-58)	41 (34-47)	31 (25-37)	23 (18-27)	16 (13-20)	11 (8.5-14)	7.7 (5.7-9.3)	5.2 (3.9-6.3)	3.6 (2.7-4.4)	2.5 (1.8-3.0)	1.7 (1.2-2.0)
5	61 (54-66)	52 (44-56)	42 (35-46)	33 (26-35)	24 (19-26)	17 (13-19)	12 (9.0-13)	8.2 (6.2-9.1)	5.7 (4.3-6.4)	3.9 (3.0-4.4)	2.7 (2.0-3.0)
6	70	62	53	43	34	25	18	13	8.9	6.2	4.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the Czech Republic.

**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	13	9.6	6.9	4.9	3.4	2.4	1.7	1.2	0.9	0.6	0.4
1	22 (17-41)	17 (13-33)	12 (9.4-25)	9.0 (6.7-19)	6.4 (4.8-14)	4.6 (3.4-9.9)	3.2 (2.4-7.0)	2.3 (1.7-5.1)	1.7 (1.2-3.7)	1.2 (0.9-2.7)	0.9 (0.6-1.9)
2	33 (23-52)	26 (17-43)	20 (13-34)	15 (9.4-26)	11 (6.7-20)	8.1 (4.8-15)	5.8 (3.4-11)	4.2 (2.4-7.9)	3.1 (1.7-5.8)	2.2 (1.2-4.2)	1.6 (0.9-3.1)
3	45 (30-60)	37 (23-52)	30 (18-44)	24 (13-36)	18 (9.4-28)	13 (6.7-21)	9.8 (4.8-16)	7.2 (3.5-12)	5.3 (2.5-8.7)	3.9 (1.8-6.4)	2.8 (1.3-4.6)
4	57 (38-68)	49 (31-60)	42 (24-52)	34 (18-44)	27 (13-36)	21 (9.9-28)	16 (7.1-21)	12 (5.2-16)	8.8 (3.8-12)	6.5 (2.8-8.9)	4.8 (2.0-6.5)
5	67 (48-73)	61 (40-67)	54 (32-60)	46 (25-53)	38 (19-44)	31 (14-36)	24 (11-28)	18 (7.8-22)	14 (5.8-16)	11 (4.2-12)	7.8 (3.1-9.1)
6	76	71	65	58	50	42	34	27	21	16	12

**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	13	9.7	7.4	5.5	4.1	3.1	2.3	1.7	1.3	1.0	0.8
1	21 (16-39)	16 (12-32)	13 (9.5-26)	9.8 (7.2-21)	7.5 (5.4-16)	5.6 (4.0-12)	4.2 (3.0-9.3)	3.3 (2.3-7.2)	2.5 (1.7-5.6)	1.9 (1.3-4.3)	1.4 (1.0-3.2)
2	30 (20-49)	25 (16-42)	20 (12-35)	16 (9.4-28)	12 (7.1-23)	9.6 (5.4-18)	7.3 (4.0-14)	5.7 (3.1-11)	4.4 (2.4-8.3)	3.4 (1.8-6.4)	2.6 (1.4-5.0)
3	41 (26-57)	35 (21-50)	29 (17-43)	24 (13-37)	19 (9.9-30)	15 (7.5-24)	12 (5.7-19)	9.4 (4.4-15)	7.3 (3.4-12)	5.7 (2.6-9.6)	4.4 (2.0-7.4)
4	52 (33-64)	46 (27-58)	40 (22-51)	34 (17-45)	28 (14-38)	23 (11-31)	18 (8.1-25)	15 (6.3-21)	12 (4.9-17)	9.2 (3.8-13)	7.1 (2.9-10)
5	63 (42-69)	57 (36-64)	51 (30-58)	45 (24-51)	38 (19-44)	32 (15-37)	26 (12-31)	22 (9.3-26)	18 (7.3-21)	14 (5.7-17)	11 (4.4-13)
6	72	67	62	56	49	43	36	31	26	21	17

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from the Czech Republic.

**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	11	8.6	6.8	5.4	4.2	3.3	2.6	2.1	1.6	1.3	1.0
1	18 (14-35)	15 (11-30)	12 (8.8-25)	9.6 (7.0-20)	7.6 (5.5-16)	6.0 (4.3-13)	4.8 (3.4-11)	3.9 (2.7-8.5)	3.1 (2.2-6.9)	2.5 (1.7-5.6)	2.0 (1.4-4.5)
2	27 (18-45)	23 (14-39)	19 (11-33)	16 (9.1-28)	13 (7.2-23)	10 (5.7-19)	8.2 (4.5-15)	6.7 (3.7-13)	5.4 (3.0-10)	4.4 (2.4-8.3)	3.5 (1.9-6.7)
3	38 (23-54)	33 (19-48)	28 (16-42)	24 (13-36)	20 (10-31)	16 (7.9-26)	13 (6.4-21)	11 (5.1-18)	8.9 (4.2-15)	7.3 (3.3-12)	5.9 (2.7-9.9)
4	49 (30-61)	44 (25-56)	39 (21-50)	34 (17-44)	29 (14-39)	24 (11-33)	20 (9.1-28)	17 (7.4-24)	14 (6.1-20)	12 (4.9-17)	9.5 (4.0-14)
5	60 (40-66)	55 (34-62)	50 (29-57)	45 (24-51)	39 (20-45)	34 (16-39)	29 (13-34)	25 (11-29)	21 (9.0-25)	18 (7.3-21)	15 (6.0-17)
6	69	65	61	56	51	45	40	35	30	26	22

**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	4.8	4.0	3.2	2.6	2.2	1.9	1.6	1.3	1.1
1	12 (9.3-26)	10 (7.7-22)	8.7 (6.3-18)	7.2 (5.2-15)	5.9 (4.2-13)	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 (6.8-22)	10 (5.6-19)	8.3 (4.6-16)	7.1 (3.9-13)	6.0 (3.3-11)	5.1 (2.7-9.6)	4.3 (2.3-8.2)	3.6 (1.9-6.9)
3	29 (16-43)	25 (14-38)	22 (11-34)	19 (9.4-29)	16 (7.8-25)	13 (6.4-22)	11 (5.4-19)	9.8 (4.6-16)	8.4 (3.9-14)	7.1 (3.3-12)	6.0 (2.7-10)
4	40 (22-51)	36 (19-47)	31 (16-42)	27 (13-37)	24 (11-32)	20 (9.2-28)	18 (7.8-25)	15 (6.6-21)	13 (5.6-19)	11 (4.8-16)	9.7 (4.0-14)
5	51 (30-57)	47 (26-53)	42 (22-48)	38 (19-44)	34 (16-39)	29 (13-34)	26 (11-30)	23 (9.8-27)	20 (8.4-23)	17 (7.1-20)	15 (6.0-18)
6	61	58	54	49	45	40	36	32	29	25	22