

Austria - 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 Austria. 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	25	14	7.5	4.0	2.1	1.1	0.6	0.3	0.2	0.1	0.1	
1	36 (26-45)	21 (15-27)	12 (7.9-15)	6.4 (4.2-8.4)	3.4 (2.2-4.5)	1.8 (1.2-2.4)	0.9 (0.6-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	
2	50 (34-65)	31 (20-44)	18 (11-26)	10 (5.9-15)	5.4 (3.2-8.1)	2.8 (1.7-4.3)	1.5 (0.9-2.3)	0.8 (0.5-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	
3	64 (47-79)	44 (29-60)	27 (16-40)	15 (8.9-24)	8.3 (4.8-13)	4.5 (2.5-7.2)	2.4 (1.3-3.9)	1.2 (0.7-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	
4	77 (64-88)	58 (43-74)	38 (26-53)	23 (15-33)	13 (8.0-19)	6.9 (4.3-11)	3.7 (2.3-5.8)	2.0 (1.2-3.1)	1.0 (0.6-1.7)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	
5	87 (81-91)	72 (62-83)	52 (42-65)	33 (25-44)	19 (14-26)	10 (7.7-15)	5.7 (4.1-8.2)	3.0 (2.2-4.4)	1.6 (1.2-2.4)	0.9 (0.6-1.3)	0.5 (0.3-0.7)	
6	92	84	66	45	28	16	8.6	4.6	2.5	1.4	0.7	

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

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	23	13	7.5	4.2	2.3	1.3	0.7	0.4	0.2	0.1	0.1
1	33 (24-40)	20 (14-24)	12 (7.9-14)	6.5 (4.4-8.0)	3.6 (2.4-4.5)	2.0 (1.3-2.5)	1.1 (0.7-1.3)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	46 (32-59)	29 (19-39)	17 (11-24)	9.9 (6.2-14)	5.6 (3.4-8.0)	3.1 (1.9-4.4)	1.7 (1.0-2.4)	0.9 (0.6-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	59 (44-73)	41 (28-55)	25 (16-36)	15 (9.2-22)	8.5 (5.1-13)	4.7 (2.8-7.3)	2.6 (1.6-4.1)	1.4 (0.8-2.2)	0.8 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	72 (61-83)	54 (41-68)	36 (26-49)	22 (15-31)	13 (8.5-19)	7.2 (4.7-11)	4.0 (2.6-6.1)	2.2 (1.4-3.4)	1.2 (0.8-1.9)	0.7 (0.5-1.1)	0.4 (0.3-0.6)
5	82 (77-88)	67 (59-78)	48 (40-60)	31 (25-41)	19 (15-26)	11 (8.4-15)	6.0 (4.7-8.6)	3.3 (2.6-4.8)	1.9 (1.5-2.7)	1.1 (0.8-1.5)	0.6 (0.5-0.9)
6	89	79	62	43	27	16	9.0	5.0	2.8	1.6	0.9

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	19	12	7.0	4.1	2.4	1.4	0.8	0.5	0.3	0.2	0.1
1	28 (20-32)	17 (12-20)	11 (7.3-12)	6.3 (4.3-7.4)	3.7 (2.5-4.3)	2.2 (1.5-2.5)	1.3 (0.9-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	38 (27-48)	25 (17-32)	15 (10-21)	9.4 (6.1-13)	5.6 (3.6-7.6)	3.3 (2.1-4.5)	1.9 (1.2-2.6)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.2 (0.2-0.3)
3	50 (38-61)	34 (24-45)	22 (15-30)	14 (9.1-19)	8.3 (5.4-12)	4.9 (3.2-7.2)	2.9 (1.8-4.3)	1.7 (1.1-2.5)	1.0 (0.6-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.6)
4	62 (52-72)	46 (36-58)	31 (23-42)	20 (14-28)	12 (8.7-18)	7.3 (5.2-11)	4.3 (3.0-6.4)	2.6 (1.8-3.8)	1.5 (1.1-2.3)	0.9 (0.6-1.4)	0.6 (0.4-0.8)
5	72 (67-80)	58 (52-68)	42 (36-52)	28 (24-36)	18 (15-24)	11 (8.9-15)	6.4 (5.3-9.0)	3.8 (3.1-5.3)	2.3 (1.9-3.3)	1.4 (1.1-2.0)	0.8 (0.7-1.2)
6	80	69	54	38	25	15	9.4	5.6	3.4	2.1	1.3

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

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	18	11	7.3	4.6	2.8	1.8	1.1	0.7	0.4	0.3	0.2
1	25 (19-28)	16 (12-19)	11 (7.6-12)	6.7 (4.8-7.7)	4.2 (3.0-4.9)	2.6 (1.8-3.0)	1.6 (1.1-1.9)	1.0 (0.7-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
2	34 (25-41)	23 (17-29)	15 (11-19)	9.8 (6.7-13)	6.2 (4.2-8.0)	3.9 (2.6-5.0)	2.4 (1.6-3.1)	1.5 (1.0-2.0)	1.0 (0.6-1.3)	0.6 (0.4-0.8)	0.4 (0.3-0.5)
3	44 (35-53)	31 (24-39)	21 (16-27)	14 (10-18)	9.0 (6.3-12)	5.7 (4.0-7.7)	3.6 (2.5-4.9)	2.2 (1.5-3.1)	1.4 (1.0-2.0)	0.9 (0.6-1.3)	0.6 (0.4-0.8)
4	54 (47-63)	41 (34-50)	29 (23-37)	20 (15-26)	13 (9.8-18)	8.2 (6.2-11)	5.2 (3.9-7.3)	3.3 (2.5-4.7)	2.1 (1.6-3.0)	1.4 (1.0-1.9)	0.9 (0.6-1.2)
5	64 (60-71)	51 (47-60)	38 (34-47)	27 (24-34)	18 (16-24)	12 (10-16)	7.5 (6.4-10)	4.8 (4.1-6.6)	3.1 (2.6-4.3)	2.0 (1.7-2.8)	1.3 (1.1-1.8)
6	72	61	48	36	25	16	11	6.9	4.5	2.9	1.9

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	17	12	8.0	5.4	3.6	2.3	1.5	1.0	0.7	0.5	0.3
1	26 (23-32)	18 (16-23)	13 (11-16)	8.6 (7.5-11)	5.7 (5.0-7.4)	3.8 (3.3-4.9)	2.5 (2.2-3.3)	1.7 (1.5-2.2)	1.1 (1.0-1.5)	0.8 (0.7-1.0)	0.5 (0.5-0.7)
2	37 (31-44)	27 (23-34)	19 (16-25)	13 (11-17)	9.1 (7.4-12)	6.1 (5.0-8.1)	4.0 (3.3-5.4)	2.7 (2.2-3.7)	1.9 (1.5-2.5)	1.3 (1.0-1.7)	0.9 (0.7-1.2)
3	49 (42-56)	38 (32-45)	28 (23-34)	20 (16-25)	14 (11-18)	9.6 (7.5-12)	6.5 (5.0-8.2)	4.4 (3.4-5.6)	3.0 (2.3-3.8)	2.0 (1.6-2.6)	1.4 (1.1-1.8)
4	60 (52-66)	50 (42-56)	39 (32-45)	29 (23-34)	21 (16-25)	15 (11-18)	10 (7.6-12)	7.0 (5.2-8.4)	4.8 (3.5-5.8)	3.3 (2.4-4.0)	2.2 (1.6-2.7)
5	70 (63-73)	61 (53-65)	51 (43-55)	40 (33-43)	30 (24-33)	22 (17-24)	16 (12-17)	11 (8.3-12)	7.6 (5.7-8.5)	5.2 (4.0-5.9)	3.6 (2.7-4.1)
6	77	70	62	52	42	32	23	17	12	8.2	5.7

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

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	18	13	9.2	6.6	4.6	3.2	2.3	1.6	1.2	0.8	0.6
1	28 (23-50)	22 (17-41)	16 (13-32)	12 (9.1-24)	8.6 (6.5-18)	6.1 (4.6-13)	4.3 (3.2-9.4)	3.1 (2.3-6.8)	2.3 (1.6-5.0)	1.6 (1.2-3.6)	1.2 (0.8-2.6)
2	40 (30-60)	33 (23-52)	26 (17-42)	20 (13-34)	15 (9.1-26)	11 (6.4-19)	7.7 (4.5-14)	5.7 (3.3-11)	4.1 (2.3-7.8)	3.0 (1.7-5.7)	2.2 (1.2-4.2)
3	53 (38-68)	45 (30-61)	37 (23-52)	30 (17-44)	23 (13-35)	18 (9.1-27)	13 (6.5-21)	9.6 (4.7-16)	7.1 (3.4-12)	5.2 (2.5-8.5)	3.8 (1.8-6.3)
4	65 (47-74)	58 (38-68)	50 (31-61)	42 (24-53)	34 (18-44)	27 (13-35)	20 (9.6-27)	16 (7.1-21)	12 (5.2-16)	8.7 (3.7-12)	6.4 (2.7-8.8)
5	74 (57-79)	69 (49-74)	62 (40-68)	54 (32-61)	46 (25-53)	38 (19-44)	30 (14-35)	24 (11-28)	19 (7.9-21)	14 (5.8-16)	11 (4.2-12)
6	80	77	73	66	59	51	42	35	28	22	17

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	17	13	9.7	7.3	5.4	4.0	3.0	2.3	1.7	1.3	1.0
1	27 (21-48)	21 (16-40)	17 (12-33)	13 (9.4-26)	9.8 (7.1-21)	7.4 (5.3-16)	5.6 (3.9-12)	4.3 (3.0-9.4)	3.3 (2.3-7.2)	2.5 (1.7-5.5)	1.9 (1.3-4.2)
2	38 (26-58)	32 (21-51)	26 (16-43)	21 (13-36)	16 (9.6-29)	13 (7.2-23)	9.6 (5.4-18)	7.5 (4.2-14)	5.8 (3.2-11)	4.4 (2.4-8.5)	3.4 (1.8-6.6)
3	50 (34-66)	43 (27-60)	37 (22-53)	31 (17-45)	25 (13-38)	20 (10-31)	16 (7.6-25)	12 (5.9-20)	9.6 (4.5-16)	7.5 (3.4-13)	5.8 (2.6-9.7)
4	62 (43-72)	55 (36-67)	49 (29-61)	42 (23-54)	35 (18-47)	29 (14-39)	24 (11-32)	19 (8.6-26)	15 (6.7-21)	12 (5.2-17)	9.4 (4.0-13)
5	71 (53-76)	66 (46-72)	61 (39-67)	54 (32-60)	47 (26-53)	40 (20-46)	34 (16-39)	28 (13-33)	23 (9.9-27)	19 (7.7-22)	15 (6.0-18)
6	77	75	71	66	60	53	46	39	33	27	22

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

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	14	11	8.8	6.9	5.4	4.3	3.4	2.7	2.2	1.7	1.4
1	22 (18-42)	18 (14-36)	15 (11-30)	12 (9.0-25)	9.7 (7.1-20)	7.7 (5.6-17)	6.2 (4.4-13)	5.0 (3.5-11)	4.0 (2.8-8.9)	3.3 (2.3-7.2)	2.6 (1.8-5.8)
2	33 (22-52)	28 (18-46)	23 (15-40)	19 (12-34)	16 (9.3-28)	13 (7.4-23)	10 (5.9-19)	8.6 (4.8-16)	7.0 (3.8-13)	5.7 (3.1-11)	4.6 (2.5-8.7)
3	44 (29-60)	39 (24-55)	34 (19-49)	29 (16-43)	24 (13-37)	20 (10-31)	17 (8.2-26)	14 (6.6-22)	11 (5.4-19)	9.3 (4.4-15)	7.6 (3.5-13)
4	56 (37-67)	51 (31-63)	45 (26-57)	40 (22-51)	34 (18-45)	29 (14-39)	25 (12-34)	21 (9.5-29)	18 (7.8-25)	15 (6.3-21)	12 (5.1-17)
5	66 (47-72)	62 (41-68)	57 (35-63)	52 (30-58)	46 (25-52)	40 (20-46)	35 (17-40)	30 (14-35)	26 (11-30)	22 (9.4-26)	18 (7.7-22)
6	73	71	67	63	58	52	47	41	36	31	27

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	11	9.0	7.5	6.1	5.0	4.1	3.5	2.9	2.4	2.1	1.7
1	18 (14-35)	15 (12-31)	13 (9.6-26)	11 (8.0-23)	9.0 (6.6-19)	7.5 (5.4-16)	6.3 (4.5-14)	5.4 (3.8-12)	4.5 (3.2-10)	3.8 (2.7-8.5)	3.2 (2.3-7.2)
2	27 (18-45)	24 (15-40)	20 (12-35)	17 (10-31)	15 (8.6-27)	12 (7.1-23)	11 (6.0-20)	9.1 (5.1-17)	7.8 (4.3-15)	6.6 (3.6-12)	5.6 (3.0-11)
3	38 (23-54)	34 (20-49)	30 (17-44)	26 (14-39)	23 (12-35)	19 (9.8-30)	17 (8.3-27)	15 (7.1-23)	13 (6.0-20)	11 (5.1-18)	9.2 (4.3-15)
4	50 (31-61)	45 (27-57)	41 (23-53)	37 (19-48)	32 (16-43)	28 (14-38)	25 (12-34)	22 (10-30)	19 (8.6-27)	17 (7.3-23)	14 (6.2-20)
5	60 (40-66)	56 (35-63)	52 (31-59)	48 (27-54)	44 (23-50)	39 (20-45)	35 (17-40)	31 (15-36)	28 (13-32)	25 (11-29)	22 (9.2-25)
6	67	65	63	59	55	51	47	43	39	35	31