

**Austria - The probabilities of a hip fracture in women**

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/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	19	10	5.2	2.7	1.4	0.7	0.4	0.2	0.1	0.1	0.0	
1	28 (20-36)	16 (11-20)	8.3 (5.5-11)	4.3 (2.8-5.7)	2.2 (1.5-2.9)	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	41 (27-56)	24 (15-34)	13 (7.7-19)	6.9 (4.0-10)	3.6 (2.1-5.4)	1.8 (1.1-2.8)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
3	56 (38-75)	35 (21-52)	20 (12-31)	11 (6.1-17)	5.6 (3.1-9.3)	2.9 (1.6-4.8)	1.5 (0.8-2.5)	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	72 (56-87)	49 (34-67)	29 (19-43)	16 (10-25)	8.8 (5.4-14)	4.6 (2.8-7.3)	2.4 (1.4-3.8)	1.2 (0.7-2.0)	0.7 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	
5	85 (77-93)	65 (54-78)	42 (33-55)	24 (18-34)	13 (9.9-19)	7.0 (5.2-10)	3.7 (2.7-5.3)	1.9 (1.4-2.8)	1.0 (0.7-1.5)	0.5 (0.4-0.8)	0.3 (0.2-0.4)	
6	94	80	57	35	20	11	5.6	3.0	1.6	0.8	0.4	

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	17	9.8	5.4	2.9	1.6	0.9	0.5	0.3	0.1	0.1	0.0
1	26 (18-32)	15 (10-18)	8.4 (5.7-10)	4.6 (3.1-5.7)	2.5 (1.7-3.1)	1.3 (0.9-1.7)	0.7 (0.5-0.9)	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	38 (25-51)	23 (14-32)	13 (7.9-18)	7.2 (4.3-10)	3.9 (2.3-5.7)	2.1 (1.3-3.1)	1.1 (0.7-1.7)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	52 (35-70)	33 (21-48)	20 (12-30)	11 (6.5-17)	6.1 (3.6-9.7)	3.3 (1.9-5.3)	1.8 (1.0-2.9)	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	67 (53-83)	46 (33-63)	29 (20-41)	17 (11-25)	9.3 (6.1-14)	5.1 (3.3-8.0)	2.8 (1.8-4.4)	1.6 (1.0-2.5)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
5	81 (74-90)	61 (53-75)	40 (33-53)	24 (20-34)	14 (11-20)	7.8 (6.1-11)	4.3 (3.3-6.2)	2.4 (1.9-3.5)	1.3 (1.0-1.9)	0.7 (0.6-1.1)	0.4 (0.3-0.6)
6	91	76	55	35	21	12	6.5	3.6	2.0	1.1	0.6

**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	17	10	5.7	3.2	1.8	1.0	0.6	0.3	0.2	0.1	0.1
1	25 (18-29)	15 (10-18)	8.7 (6.0-10)	5.0 (3.4-5.9)	2.8 (1.9-3.3)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	36 (25-47)	22 (15-30)	13 (8.4-18)	7.6 (4.8-10)	4.3 (2.7-6.0)	2.4 (1.5-3.4)	1.4 (0.9-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
3	49 (35-65)	32 (21-45)	20 (13-29)	12 (7.2-17)	6.6 (4.1-10)	3.7 (2.3-5.7)	2.1 (1.3-3.3)	1.2 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.4)
4	64 (52-78)	44 (34-59)	28 (20-40)	17 (12-25)	9.9 (6.9-15)	5.7 (3.9-8.6)	3.3 (2.2-5.0)	1.9 (1.3-2.9)	1.1 (0.8-1.7)	0.6 (0.4-1.0)	0.4 (0.3-0.6)
5	77 (72-87)	58 (52-71)	40 (34-51)	25 (21-34)	15 (12-20)	8.5 (7.0-12)	4.9 (4.0-7.0)	2.9 (2.3-4.1)	1.7 (1.4-2.4)	1.0 (0.8-1.4)	0.6 (0.5-0.8)
6	88	73	53	35	21	13	7.3	4.3	2.5	1.5	0.8

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	19	11	6.8	4.0	2.3	1.4	0.8	0.5	0.3	0.2	0.1
1	27 (20-32)	17 (12-20)	10 (7.2-12)	6.1 (4.2-7.3)	3.6 (2.5-4.3)	2.1 (1.4-2.5)	1.3 (0.9-1.5)	0.8 (0.5-0.9)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	38 (27-47)	25 (17-31)	15 (10-20)	9.2 (5.9-12)	5.4 (3.5-7.2)	3.2 (2.0-4.2)	1.9 (1.2-2.6)	1.2 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.3)
3	51 (38-64)	34 (24-46)	22 (15-31)	14 (8.9-19)	8.1 (5.3-12)	4.8 (3.1-7.0)	2.9 (1.9-4.3)	1.8 (1.1-2.6)	1.1 (0.7-1.6)	0.6 (0.4-0.9)	0.4 (0.2-0.6)
4	64 (54-77)	46 (37-60)	31 (24-42)	20 (15-28)	12 (8.7-17)	7.1 (5.1-10)	4.3 (3.1-6.4)	2.6 (1.9-3.9)	1.6 (1.1-2.4)	1.0 (0.7-1.4)	0.6 (0.4-0.9)
5	77 (72-85)	60 (54-72)	42 (37-54)	28 (23-37)	17 (14-24)	10 (8.6-15)	6.4 (5.2-9.0)	3.9 (3.2-5.5)	2.4 (1.9-3.4)	1.4 (1.2-2.0)	0.9 (0.7-1.2)
6	86	73	55	38	25	15	9.4	5.8	3.5	2.1	1.3

**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	14	8.9	5.5	3.4	2.1	1.3	0.8	0.5	0.3	0.2
1	34 (30-41)	23 (20-28)	15 (12-18)	9.1 (7.7-11)	5.6 (4.7-7.1)	3.5 (2.9-4.4)	2.2 (1.8-2.8)	1.4 (1.2-1.8)	0.9 (0.7-1.1)	0.5 (0.5-0.7)	0.3 (0.3-0.4)
2	49 (42-60)	35 (28-44)	23 (18-30)	15 (12-20)	9.2 (7.1-12)	5.8 (4.4-7.9)	3.7 (2.8-5.0)	2.3 (1.8-3.2)	1.5 (1.1-2.0)	0.9 (0.7-1.3)	0.6 (0.4-0.8)
3	66 (56-74)	50 (40-59)	35 (27-44)	23 (17-30)	15 (11-20)	9.5 (6.8-13)	6.1 (4.3-8.2)	3.9 (2.7-5.3)	2.4 (1.7-3.3)	1.5 (1.1-2.1)	1.0 (0.7-1.3)
4	79 (71-84)	66 (56-72)	50 (40-57)	35 (27-42)	23 (17-28)	15 (11-19)	9.9 (7.2-12)	6.4 (4.6-8.0)	4.0 (2.9-5.1)	2.6 (1.8-3.3)	1.6 (1.2-2.1)
5	87 (83-89)	79 (73-82)	66 (58-70)	50 (42-55)	35 (29-40)	24 (19-27)	16 (13-18)	10 (8.1-12)	6.6 (5.2-7.7)	4.2 (3.3-4.9)	2.7 (2.1-3.1)
6	91	87	79	66	50	36	25	16	11	6.9	4.4

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	27	18	12	7.8	5.0	3.3	2.2	1.5	1.0	0.6	0.4
1	43 (36-70)	31 (25-56)	22 (17-42)	15 (11-30)	9.8 (7.1-20)	6.6 (4.7-14)	4.4 (3.1-9.3)	2.9 (2.1-6.2)	1.9 (1.4-4.1)	1.3 (0.9-2.7)	0.8 (0.6-1.8)
2	60 (46-81)	48 (33-71)	36 (23-59)	25 (15-45)	17 (10-32)	12 (6.7-23)	8.2 (4.4-16)	5.5 (2.9-11)	3.7 (1.9-7.3)	2.4 (1.3-4.8)	1.6 (0.8-3.2)
3	74 (59-86)	64 (45-81)	52 (32-71)	40 (22-58)	29 (15-45)	21 (10-33)	14 (6.7-24)	9.8 (4.4-17)	6.6 (2.9-11)	4.4 (1.9-7.8)	2.9 (1.3-5.2)
4	83 (71-89)	77 (59-86)	68 (45-79)	56 (33-70)	44 (23-57)	33 (16-45)	24 (11-34)	17 (7.2-24)	12 (4.8-17)	7.8 (3.2-12)	5.2 (2.1-7.8)
5	88 (80-91)	85 (72-89)	80 (61-85)	72 (48-78)	61 (35-68)	49 (25-56)	37 (18-43)	27 (12-32)	19 (8.3-23)	13 (5.6-16)	9.0 (3.7-11)
6	90	90	87	83	76	66	54	42	31	22	15

**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	28	20	14	9.6	6.6	4.6	3.2	2.2	1.6	1.1	0.7
1	43 (35-69)	33 (25-58)	24 (18-46)	17 (12-34)	12 (8.6-25)	8.8 (6.1-18)	6.2 (4.2-13)	4.4 (2.9-9.4)	3.1 (2.0-6.6)	2.1 (1.4-4.6)	1.5 (1.0-3.2)
2	58 (44-78)	48 (33-70)	38 (24-60)	28 (17-49)	21 (12-38)	15 (8.5-29)	11 (6.0-21)	8.0 (4.2-16)	5.6 (2.9-11)	3.9 (2.0-7.9)	2.8 (1.4-5.5)
3	71 (56-84)	62 (45-79)	53 (34-71)	42 (25-61)	33 (18-50)	25 (13-40)	19 (8.9-30)	14 (6.3-23)	9.8 (4.4-17)	7.0 (3.0-12)	4.9 (2.1-8.6)
4	80 (67-87)	74 (57-84)	67 (45-78)	57 (35-70)	47 (26-61)	38 (19-51)	30 (14-41)	22 (9.7-32)	16 (6.9-24)	12 (4.8-18)	8.4 (3.4-13)
5	85 (75-88)	82 (68-86)	78 (58-82)	71 (48-77)	62 (37-69)	53 (29-61)	43 (21-51)	34 (16-41)	26 (11-32)	19 (8.1-24)	14 (5.7-17)
6	87	87	85	81	75	68	59	49	39	30	22

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	25	19	14	9.9	7.4	5.5	4.0	3.0	2.2	1.6	1.2
1	38 (31-62)	30 (23-53)	23 (18-44)	18 (13-35)	13 (9.6-27)	10 (7.1-21)	7.6 (5.3-16)	5.7 (3.9-12)	4.2 (2.9-9.1)	3.1 (2.1-6.8)	2.3 (1.5-5.0)
2	51 (39-72)	43 (31-64)	35 (24-56)	28 (18-47)	22 (13-38)	17 (10-31)	13 (7.4-25)	10 (5.5-19)	7.5 (4.0-15)	5.6 (3.0-11)	4.2 (2.2-8.2)
3	64 (48-78)	57 (39-73)	49 (31-66)	40 (24-58)	33 (19-50)	27 (14-42)	21 (11-34)	17 (8.1-27)	13 (6.0-21)	9.6 (4.5-16)	7.2 (3.3-12)
4	74 (58-82)	68 (50-79)	62 (42-73)	54 (33-67)	47 (26-59)	39 (21-51)	32 (16-43)	26 (12-35)	20 (9.0-28)	16 (6.7-22)	12 (5.0-17)
5	80 (68-84)	77 (61-82)	73 (52-78)	67 (44-72)	60 (36-66)	53 (29-60)	45 (23-52)	38 (18-44)	31 (14-36)	24 (11-29)	19 (8.0-23)
6	83	83	81	77	72	66	59	52	44	36	29

**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	19	15	12	8.9	7.0	5.5	4.3	3.4	2.6	2.0	1.6
1	30 (24-53)	25 (19-45)	20 (15-38)	16 (12-31)	13 (9.1-26)	10 (7.2-21)	8.0 (5.7-17)	6.3 (4.4-14)	5.0 (3.4-11)	3.9 (2.7-8.5)	3.0 (2.1-6.7)
2	43 (31-63)	36 (25-56)	30 (20-49)	25 (16-42)	21 (13-36)	17 (10-30)	14 (7.9-25)	11 (6.2-20)	8.7 (4.8-16)	6.9 (3.8-13)	5.4 (2.9-10)
3	55 (39-71)	49 (32-66)	42 (26-59)	36 (21-52)	31 (17-46)	26 (14-40)	22 (11-34)	18 (8.7-28)	14 (6.9-23)	11 (5.4-19)	9.2 (4.2-15)
4	66 (49-76)	61 (42-72)	55 (35-67)	49 (29-61)	43 (24-55)	37 (20-49)	32 (16-43)	27 (13-36)	22 (10-31)	18 (8.1-25)	15 (6.4-21)
5	74 (59-79)	71 (52-76)	66 (45-72)	61 (39-67)	56 (33-62)	50 (28-57)	44 (23-51)	38 (19-44)	33 (15-38)	27 (12-32)	23 (9.7-27)
6	78	77	75	72	68	63	58	52	45	39	33