

Austria - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip fracture according to body mass index (BMI kg/m²), 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.

Age = 50 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.2	0.2	0.1
1	2.4 (1.6-4.7)	1.3 (0.9-2.6)	0.7 (0.5-1.4)	0.6 (0.4-1.1)	0.4 (0.3-0.8)	0.3 (0.2-0.7)	0.3 (0.2-0.5)
2	4.7 (2.4-9.9)	2.6 (1.3-5.5)	1.4 (0.7-3.0)	1.1 (0.5-2.3)	0.8 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.3-1.1)
3	8.7 (3.6-17)	4.8 (2.0-9.4)	2.6 (1.1-5.2)	2.0 (0.8-4.1)	1.6 (0.6-3.2)	1.2 (0.5-2.5)	1.0 (0.4-1.9)
4	16 (6.3-24)	8.8 (3.4-14)	4.8 (1.9-7.8)	3.8 (1.5-6.1)	2.9 (1.1-4.8)	2.3 (0.9-3.7)	1.8 (0.7-2.9)
5	26 (13-34)	15 (7.3-20)	8.6 (4.0-12)	6.8 (3.1-9.1)	5.3 (2.4-7.1)	4.1 (1.9-5.6)	3.2 (1.5-4.4)
6	42	26	15	12	9.3	7.3	5.7

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.9	1.1	0.6	0.4	0.3	0.3	0.2
1	3.7 (2.5-6.5)	2.0 (1.4-3.5)	1.1 (0.7-1.9)	0.9 (0.6-1.5)	0.7 (0.5-1.2)	0.5 (0.4-0.9)	0.4 (0.3-0.7)
2	6.9 (3.8-13)	3.8 (2.1-7.5)	2.1 (1.1-4.1)	1.6 (0.9-3.2)	1.3 (0.7-2.5)	1.0 (0.5-1.9)	0.8 (0.4-1.5)
3	12 (5.7-22)	6.9 (3.2-13)	3.8 (1.7-7.1)	3.0 (1.3-5.6)	2.3 (1.0-4.4)	1.8 (0.8-3.4)	1.4 (0.6-2.6)
4	21 (9.9-32)	12 (5.5-19)	6.8 (3.0-11)	5.3 (2.3-8.4)	4.2 (1.8-6.6)	3.2 (1.4-5.1)	2.5 (1.1-4.0)
5	34 (20-43)	21 (11-27)	12 (6.4-16)	9.3 (5.0-12)	7.3 (3.9-9.7)	5.7 (3.0-7.6)	4.5 (2.3-6.0)
6	52	34	20	16	13	9.9	7.8

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.2	1.7	0.9	0.7	0.6	0.4	0.3
1	5.8 (4.1-8.9)	3.2 (2.3-5.0)	1.7 (1.2-2.7)	1.4 (1.0-2.1)	1.1 (0.8-1.7)	0.8 (0.6-1.3)	0.6 (0.5-1.0)
2	10 (6.1-18)	5.8 (3.4-10)	3.2 (1.9-5.8)	2.5 (1.4-4.5)	1.9 (1.1-3.5)	1.5 (0.9-2.7)	1.2 (0.7-2.1)
3	17 (9.1-29)	10 (5.1-17)	5.6 (2.8-10)	4.4 (2.2-7.8)	3.4 (1.7-6.1)	2.7 (1.3-4.8)	2.1 (1.0-3.7)
4	28 (16-41)	17 (8.9-25)	9.8 (4.9-15)	7.7 (3.9-12)	6.0 (3.0-9.2)	4.7 (2.3-7.2)	3.7 (1.8-5.6)
5	44 (29-53)	28 (18-35)	17 (10-21)	13 (8.0-17)	10 (6.3-13)	8.1 (4.9-11)	6.3 (3.8-8.3)
6	62	43	27	22	17	14	11

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.6	3.2	1.7	1.4	1.1	0.8	0.6
1	9.6 (7.3-13)	5.5 (4.1-7.7)	3.1 (2.3-4.3)	2.4 (1.8-3.3)	1.9 (1.4-2.6)	1.4 (1.1-2.0)	1.1 (0.8-1.6)
2	16 (10-25)	9.5 (6.0-15)	5.4 (3.4-8.8)	4.2 (2.6-6.9)	3.3 (2.0-5.4)	2.5 (1.6-4.2)	2.0 (1.2-3.3)
3	26 (15-40)	16 (9.1-25)	9.2 (5.1-15)	7.2 (4.0-12)	5.6 (3.1-9.4)	4.4 (2.4-7.3)	3.4 (1.9-5.7)
4	39 (26-53)	25 (15-36)	15 (8.9-22)	12 (7.0-18)	9.5 (5.4-14)	7.4 (4.2-11)	5.8 (3.3-8.6)
5	56 (44-64)	39 (29-47)	25 (18-31)	20 (14-25)	16 (11-20)	12 (8.6-16)	9.7 (6.7-12)
6	72	56	38	31	25	20	16

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	6.0	3.4	2.6	2.0	1.6	1.2
1	18 (14-20)	11 (8.5-12)	6.2 (5.0-7.1)	4.8 (3.9-5.6)	3.7 (3.0-4.3)	2.9 (2.3-3.4)	2.3 (1.8-2.6)
2	29 (20-38)	19 (13-24)	11 (7.5-15)	8.7 (5.8-11)	6.8 (4.5-9.0)	5.3 (3.5-7.0)	4.1 (2.7-5.5)
3	44 (33-57)	31 (21-42)	19 (13-28)	15 (10-22)	12 (7.9-18)	9.4 (6.1-14)	7.4 (4.8-11)
4	62 (50-73)	47 (37-60)	32 (24-43)	26 (19-36)	21 (15-29)	16 (12-23)	13 (9.4-18)
5	76 (71-82)	65 (60-73)	49 (44-57)	41 (36-48)	34 (29-40)	27 (24-33)	22 (19-27)
6	84	80	69	60	51	43	36

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	17	11	6.7	5.2	4.0	3.1	2.4
1	30 (22-46)	20 (15-33)	13 (9.4-21)	10 (7.4-17)	7.9 (5.7-13)	6.1 (4.4-10)	4.7 (3.4-8.2)
2	46 (31-64)	34 (22-51)	23 (14-37)	18 (11-30)	15 (8.6-24)	11 (6.7-19)	9.0 (5.2-15)
3	62 (45-77)	51 (35-68)	38 (23-55)	31 (18-47)	26 (15-39)	20 (11-32)	16 (8.9-26)
4	74 (60-84)	68 (52-80)	57 (38-73)	49 (31-65)	41 (25-57)	34 (20-48)	28 (16-40)
5	83 (73-87)	80 (68-86)	74 (57-82)	67 (49-76)	60 (41-69)	52 (34-61)	44 (27-53)
6	87	87	85	81	76	69	62

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	23	16	11	8.3	6.5	5.0	3.9
1	37 (28-54)	28 (21-44)	19 (14-32)	15 (11-26)	12 (8.8-21)	9.3 (6.8-16)	7.2 (5.2-13)
2	51 (38-69)	42 (30-61)	32 (21-49)	26 (17-41)	21 (13-34)	16 (10-28)	13 (7.9-22)
3	64 (50-77)	58 (41-73)	48 (30-66)	40 (24-58)	33 (19-50)	27 (15-42)	22 (12-35)
4	75 (61-83)	71 (55-80)	64 (46-76)	56 (38-70)	49 (31-63)	41 (25-55)	34 (20-47)
5	81 (73-84)	80 (69-85)	77 (62-83)	71 (54-79)	64 (46-73)	57 (39-66)	50 (32-59)
6	83	85	85	81	77	71	65

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	25	19	14	11	8.3	6.4	4.9
1	37 (29-55)	31 (23-48)	23 (18-38)	19 (14-31)	15 (11-25)	12 (8.2-20)	8.9 (6.3-16)
2	51 (38-68)	44 (32-62)	36 (25-54)	30 (20-46)	24 (16-39)	19 (12-32)	15 (9.4-25)
3	63 (49-76)	58 (43-72)	51 (35-67)	44 (28-60)	37 (23-53)	30 (18-45)	25 (14-38)
4	72 (60-81)	70 (54-79)	65 (48-76)	58 (40-70)	51 (33-64)	44 (27-57)	37 (22-49)
5	77 (71-80)	78 (67-82)	76 (62-82)	71 (55-78)	65 (48-73)	58 (40-67)	51 (33-60)
6	76	81	83	80	76	70	64

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	23	19	14	11	8.5	6.5	5.0
1	35 (27-52)	30 (22-46)	24 (17-38)	19 (14-32)	15 (11-25)	12 (8.1-20)	8.9 (6.2-16)
2	48 (36-65)	42 (30-60)	36 (25-54)	30 (20-46)	24 (15-38)	19 (12-32)	15 (9.2-25)
3	60 (46-72)	55 (41-70)	50 (34-65)	43 (28-58)	36 (22-51)	30 (18-43)	24 (14-36)
4	68 (56-76)	66 (52-76)	63 (46-74)	56 (39-68)	49 (32-61)	42 (26-54)	35 (20-47)
5	70 (66-75)	73 (64-78)	73 (60-79)	68 (53-75)	62 (45-70)	56 (38-64)	48 (32-58)
6	66	75	79	76	72	67	62