Austria - The probabilities of a major osteoporotic fracture in men

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	3.5	3.4	3.3	2.9	2.5	2.2	1.9
1	5.6 (3.8-8.4)	5.3 (3.6-7.5)	5.1 (3.4-7.1)	4.5 (3.0-6.2)	3.9 (2.6-5.4)	3.4 (2.3-4.7)	3.0 (2.0-4.1)
2	8.9 (4.8-15)	8.2 (4.4-14)	7.8 (4.2-14)	6.8 (3.6-12)	6.0 (3.1-10)	5.2 (2.7-9.1)	4.5 (2.4-8.0)
3	14 (7.0-23)	12 (6.2-22)	12 (5.7-21)	10 (4.9-18)	8.9 (4.3-16)	7.8 (3.7-14)	6.8 (3.2-12)
4	21 (12-31)	18 (10-29)	17 (9.2-27)	15 (8.0-24)	13 (6.9-21)	11 (5.9-19)	10 (5.1-17)
5	30 (19-38)	27 (18-35)	25 (17-33)	22 (15-29)	19 (13-25)	16 (11-22)	14 (9.8-20)
6	42	37	34	30	27	23	20

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.2	3.9	3.8	3.3	2.9	2.5	2.2
1	6.7 (4.6-9.7)	6.1 (4.2-8.6)	5.9 (4.0-8.0)	5.1 (3.5-6.9)	4.4 (3.0-6.0)	3.9 (2.6-5.2)	3.4 (2.3-4.5)
2	10 (5.9-17)	9.4 (5.2-15)	8.9 (4.9-15)	7.7 (4.2-13)	6.7 (3.6-12)	5.9 (3.1-10)	5.1 (2.7-8.8)
3	16 (8.8-25)	14 (7.5-24)	13 (6.8-23)	12 (5.8-20)	10 (5.0-18)	8.7 (4.3-16)	7.6 (3.7-14)
4	24 (14-35)	21 (12-32)	19 (11-30)	17 (9.4-27)	15 (8.0-23)	13 (6.9-21)	11 (5.9-18)
5	34 (22-42)	30 (21-38)	28 (19-36)	24 (17-32)	21 (15-28)	18 (13-25)	16 (11-22)
6	46	42	38	34	29	26	22

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.5	4.1	3.9	3.4	2.9	2.5	2.2
1	7.0 (4.9-10)	6.4 (4.4-8.8)	6.0 (4.1-8.1)	5.2 (3.5-7.0)	4.5 (3.0-6.0)	3.9 (2.6-5.2)	3.3 (2.2-4.5)
2	11 (6.6-16)	9.7 (5.7-15)	9.1 (5.2-15)	7.8 (4.4-13)	6.8 (3.8-11)	5.8 (3.2-9.8)	5.0 (2.7-8.6)
3	16 (10-24)	15 (8.3-23)	14 (7.3-23)	12 (6.2-20)	10 (5.3-17)	8.6 (4.5-15)	7.4 (3.8-13)
4	24 (16-34)	21 (13-31)	20 (12-30)	17 (9.9-26)	15 (8.4-23)	13 (7.1-20)	11 (6.0-17)
5	34 (23-42)	30 (21-38)	28 (20-36)	24 (17-31)	21 (15-28)	18 (13-24)	15 (11-21)
6	45	41	38	33	29	25	22

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.6	5.1	4.9	4.2	3.6	3.1	2.6
1	8.7 (6.2-12)	7.9 (5.6-11)	7.4 (5.2-9.7)	6.3 (4.4-8.3)	5.4 (3.7-7.1)	4.6 (3.2-6.1)	4.0 (2.7-5.2)
2	13 (8.4-19)	12 (7.3-18)	11 (6.5-17)	9.4 (5.5-15)	8.1 (4.7-13)	6.9 (3.9-11)	5.9 (3.3-9.8)
3	19 (13-26)	17 (11-26)	16 (9.5-25)	14 (7.9-22)	12 (6.7-19)	10 (5.6-17)	8.6 (4.7-14)
4	27 (19-36)	25 (17-35)	23 (15-34)	20 (12-30)	17 (10-26)	14 (8.7-22)	12 (7.2-19)
5	36 (27-45)	34 (25-42)	32 (24-40)	27 (20-35)	24 (17-31)	20 (15-27)	17 (13-23)
6	47	45	42	37	32	28	24

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.1	6.5	6.0	5.0	4.3	3.6	3.1
1	11 (7.9-14)	9.7 (7.1-12)	8.8 (6.4-11)	7.4 (5.4-9.6)	6.2 (4.5-8.1)	5.2 (3.7-6.9)	4.4 (3.1-5.8)
2	16 (11-24)	15 (9.5-21)	13 (8.4-18)	11 (6.9-16)	9.1 (5.7-13)	7.6 (4.8-11)	6.4 (4.0-9.3)
3	24 (15-34)	21 (14-30)	19 (12-27)	16 (10-23)	13 (8.5-20)	11 (7.0-16)	9.2 (5.8-14)
4	34 (23-44)	31 (21-41)	27 (19-38)	23 (16-32)	19 (13-28)	16 (11-23)	13 (8.7-20)
5	45 (38-54)	42 (35-51)	38 (31-47)	32 (26-40)	27 (22-35)	23 (18-29)	19 (15-25)
6	56	53	50	44	37	32	27

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	9.3	8.4	7.7	6.3	5.2	4.4	3.6
1	15 (10-23)	13 (9.2-19)	12 (8.3-15)	9.6 (6.8-13)	7.9 (5.6-10)	6.5 (4.5-8.1)	5.3 (3.7-6.6)
2	23 (14-35)	20 (13-31)	18 (11-26)	15 (9.1-21)	12 (7.4-17)	9.7 (6.0-14)	7.9 (4.9-12)
3	33 (19-48)	30 (18-44)	26 (16-38)	22 (13-31)	18 (11-26)	15 (8.7-21)	12 (7.0-18)
4	44 (29-58)	41 (26-54)	38 (24-50)	32 (20-43)	26 (16-37)	22 (13-31)	18 (11-25)
5	57 (42-66)	53 (40-63)	50 (38-60)	43 (32-53)	37 (26-46)	31 (22-39)	26 (18-33)
6	68	65	62	56	49	42	36

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	12	11	10	8.5	6.9	5.7	4.6
1	19 (13-30)	17 (12-26)	16 (11-22)	13 (9.0-18)	10 (7.3-14)	8.4 (5.9-11)	6.8 (4.7-9.1)
2	28 (19-42)	25 (17-38)	23 (15-33)	19 (12-27)	15 (9.7-22)	12 (7.8-18)	10 (6.3-14)
3	39 (25-53)	36 (23-49)	33 (21-45)	27 (17-38)	22 (14-32)	18 (11-26)	15 (8.8-22)
4	51 (35-63)	47 (32-59)	44 (30-55)	37 (25-49)	31 (21-42)	26 (17-35)	21 (13-30)
5	62 (47-69)	59 (44-67)	56 (42-64)	49 (36-58)	42 (30-51)	36 (25-45)	30 (20-38)
6	70	69	67	61	54	47	41

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	15	14	13	11	8.6	7.1	5.8
1	22 (16-34)	20 (14-30)	19 (14-27)	16 (11-22)	13 (8.9-18)	10 (7.1-14)	8.4 (5.7-11)
2	32 (22-47)	29 (20-43)	27 (18-39)	23 (15-32)	19 (12-27)	15 (9.5-22)	12 (7.6-18)
3	43 (29-58)	40 (26-54)	37 (24-51)	32 (20-44)	26 (16-37)	22 (13-31)	18 (10-26)
4	55 (39-66)	52 (36-63)	49 (34-60)	42 (29-53)	36 (24-47)	30 (19-40)	25 (16-34)
5	64 (51-70)	62 (49-70)	60 (46-68)	54 (40-62)	47 (34-56)	40 (28-49)	34 (23-43)
6	69	71	70	65	58	52	45

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	16	15	14	12	9.5	7.7	6.3
1	25 (18-37)	23 (16-33)	21 (15-30)	17 (12-24)	14 (9.8-20)	11 (7.9-16)	9.2 (6.3-13)
2	35 (24-50)	32 (22-46)	30 (20-42)	25 (16-36)	20 (13-30)	17 (11-24)	13 (8.5-20)
3	46 (32-60)	43 (29-57)	40 (27-54)	34 (22-47)	29 (18-41)	24 (14-34)	19 (12-29)
4	56 (42-67)	54 (39-66)	52 (37-63)	45 (31-57)	39 (26-50)	33 (22-43)	27 (17-37)
5	63 (53-67)	64 (51-70)	62 (49-70)	56 (43-65)	50 (37-59)	44 (31-52)	37 (26-46)
6	64	69	71	66	61	55	48