

Croatia - The probabilities of a major osteoporotic fracture in women

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 Croatia. 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	3.0	2.7	2.5	2.2	1.9	1.7	1.5
1	5.0 (3.5-7.6)	4.4 (3.0-6.3)	4.0 (2.7-5.6)	3.5 (2.3-4.8)	3.0 (2.0-4.2)	2.6 (1.8-3.7)	2.3 (1.5-3.2)
2	8.2 (4.5-13)	6.9 (3.7-11)	6.2 (3.3-11)	5.4 (2.9-9.3)	4.7 (2.5-8.1)	4.1 (2.2-7.1)	3.6 (1.9-6.2)
3	13 (6.7-22)	11 (5.3-19)	9.5 (4.6-17)	8.3 (4.0-15)	7.2 (3.4-13)	6.3 (3.0-11)	5.4 (2.6-10)
4	20 (11-31)	17 (9.3-26)	14 (7.8-23)	12 (6.7-20)	11 (5.8-18)	9.4 (5.0-15)	8.2 (4.3-14)
5	31 (19-39)	25 (16-32)	21 (14-28)	18 (12-24)	16 (11-21)	14 (9.4-19)	12 (8.2-16)
6	46	36	31	27	23	20	18

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.7	4.1	3.8	3.3	2.9	2.5	2.2
1	7.7 (5.5-11)	6.6 (4.6-9.1)	5.9 (4.1-8.1)	5.2 (3.5-7.0)	4.5 (3.1-6.1)	3.9 (2.7-5.3)	3.4 (2.3-4.6)
2	12 (7.2-19)	10 (5.8-16)	9.1 (5.0-15)	7.9 (4.3-13)	6.9 (3.8-12)	6.0 (3.3-10)	5.2 (2.8-8.9)
3	19 (11-31)	16 (8.4-26)	14 (7.0-24)	12 (6.1-21)	10 (5.2-18)	9.1 (4.5-16)	7.9 (3.9-14)
4	29 (17-42)	24 (14-35)	20 (12-32)	18 (10-28)	16 (8.8-25)	14 (7.5-22)	12 (6.5-19)
5	43 (29-52)	35 (24-43)	30 (21-38)	26 (18-33)	23 (16-29)	20 (14-26)	17 (12-23)
6	60	49	42	37	32	28	25

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.4	5.4	4.9	4.2	3.7	3.2	2.8
1	10 (7.6-14)	8.5 (6.1-12)	7.6 (5.3-10)	6.6 (4.6-8.7)	5.7 (4.0-7.5)	4.9 (3.4-6.5)	4.3 (3.0-5.7)
2	16 (10-24)	13 (7.8-20)	12 (6.6-18)	10 (5.7-16)	8.7 (4.9-14)	7.5 (4.2-12)	6.5 (3.6-11)
3	25 (15-37)	20 (12-32)	17 (9.4-29)	15 (8.0-25)	13 (6.9-22)	11 (5.9-20)	9.8 (5.0-17)
4	37 (23-50)	30 (19-42)	25 (16-38)	22 (14-33)	19 (12-30)	17 (9.9-26)	14 (8.4-23)
5	51 (38-60)	42 (31-51)	36 (27-45)	32 (23-40)	28 (20-35)	24 (17-31)	21 (15-27)
6	68	57	49	44	39	34	30

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.0	6.6	5.8	5.0	4.3	3.8	3.2
1	13 (9.6-17)	10 (7.6-13)	9.0 (6.5-12)	7.8 (5.5-10)	6.7 (4.7-8.6)	5.8 (4.0-7.4)	5.0 (3.5-6.4)
2	19 (13-28)	16 (9.9-23)	14 (8.2-21)	12 (6.9-18)	10 (5.9-16)	8.7 (5.0-14)	7.5 (4.3-12)
3	29 (20-40)	24 (15-35)	20 (12-32)	17 (10-28)	15 (8.4-25)	13 (7.2-22)	11 (6.1-19)
4	41 (29-54)	34 (23-47)	29 (20-42)	25 (17-37)	22 (14-33)	19 (12-29)	16 (10-25)
5	56 (44-64)	47 (37-56)	41 (31-50)	36 (27-44)	31 (24-39)	27 (20-34)	23 (18-30)
6	70	62	54	48	43	37	33

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.9	8.1	7.0	5.9	5.1	4.3	3.7
1	15 (12-19)	12 (9.3-15)	10 (7.8-13)	8.9 (6.6-11)	7.5 (5.6-9.6)	6.4 (4.7-8.2)	5.4 (4.0-7.1)
2	24 (16-32)	19 (12-26)	16 (10-21)	13 (8.4-18)	11 (7.1-15)	9.4 (6.0-13)	8.0 (5.0-11)
3	35 (25-47)	28 (19-40)	23 (15-33)	19 (12-29)	16 (10-25)	14 (8.7-21)	12 (7.3-18)
4	49 (37-61)	41 (30-54)	33 (24-46)	28 (20-40)	24 (17-34)	20 (14-29)	17 (12-25)
5	63 (56-71)	55 (49-64)	47 (40-56)	40 (34-49)	35 (28-43)	29 (24-37)	25 (20-31)
6	74	70	62	55	48	41	35

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	11	9.7	8.1	6.9	5.8	4.9
1	21 (15-30)	17 (13-23)	14 (11-18)	12 (8.9-15)	10 (7.4-12)	8.5 (6.2-10)	7.1 (5.2-8.8)
2	31 (20-45)	26 (17-37)	22 (14-30)	18 (12-25)	15 (9.6-21)	13 (8.0-17)	10 (6.7-14)
3	43 (28-59)	38 (25-52)	32 (21-44)	27 (17-38)	22 (14-32)	19 (12-27)	16 (9.8-22)
4	56 (40-69)	52 (36-65)	45 (31-59)	39 (26-52)	33 (22-45)	28 (18-38)	23 (15-32)
5	68 (55-75)	65 (52-73)	60 (48-69)	53 (41-62)	46 (35-55)	39 (30-48)	33 (25-41)
6	77	75	73	67	60	53	46

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	17	15	14	12	9.9	8.3	7.0
1	25 (18-37)	23 (17-32)	21 (15-26)	17 (13-22)	14 (11-18)	12 (8.7-15)	10 (7.2-12)
2	35 (24-50)	33 (22-45)	29 (20-38)	25 (16-32)	21 (14-27)	17 (11-23)	14 (9.3-19)
3	47 (32-61)	44 (30-58)	40 (28-52)	34 (24-45)	29 (20-39)	24 (16-33)	20 (13-27)
4	58 (42-69)	55 (41-67)	52 (39-64)	46 (33-58)	40 (28-51)	34 (23-44)	28 (19-38)
5	67 (55-74)	66 (53-73)	64 (52-72)	58 (46-66)	51 (40-60)	45 (34-54)	38 (29-47)
6	75	74	73	68	62	56	50

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	20	19	19	16	13	11	9.0
1	29 (21-41)	27 (20-38)	26 (19-34)	22 (16-28)	18 (13-23)	15 (11-19)	13 (9.0-16)
2	39 (27-54)	37 (26-51)	36 (25-47)	30 (21-40)	26 (17-34)	21 (14-29)	18 (12-24)
3	49 (35-64)	48 (33-62)	46 (33-60)	40 (27-53)	35 (23-46)	29 (19-40)	24 (15-34)
4	60 (45-71)	58 (44-70)	57 (44-68)	51 (38-62)	45 (32-56)	39 (27-49)	33 (22-43)
5	68 (57-75)	68 (56-74)	67 (56-74)	61 (50-69)	55 (44-64)	49 (38-58)	43 (32-52)
6	74	75	75	70	65	59	53

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	21	20	19	16	13	11	8.9
1	30 (23-44)	28 (21-39)	27 (20-35)	22 (16-29)	18 (13-24)	15 (11-20)	13 (9.0-16)
2	41 (29-56)	39 (27-53)	36 (25-48)	31 (21-41)	26 (17-35)	22 (14-29)	18 (12-25)
3	52 (38-66)	50 (36-64)	48 (34-61)	41 (28-54)	35 (23-47)	30 (19-41)	25 (16-35)
4	61 (48-72)	60 (47-71)	59 (46-69)	53 (39-64)	46 (33-57)	40 (28-51)	34 (23-44)
5	68 (59-72)	69 (58-74)	68 (57-75)	63 (51-71)	57 (45-66)	51 (39-60)	44 (33-53)
6	69	74	75	71	67	61	55