

Greece - 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 Greece. 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	2.1	1.9	1.9	1.6	1.4	1.3	1.1
1	3.3 (2.3-5.0)	3.1 (2.1-4.4)	2.9 (2.0-4.1)	2.6 (1.7-3.5)	2.2 (1.5-3.1)	1.9 (1.3-2.7)	1.7 (1.1-2.3)
2	5.3 (2.9-8.8)	4.8 (2.6-8.2)	4.5 (2.4-7.9)	3.9 (2.1-6.9)	3.4 (1.8-6.0)	3.0 (1.6-5.3)	2.6 (1.4-4.6)
3	8.4 (4.2-14)	7.4 (3.6-13)	6.9 (3.3-13)	6.0 (2.8-11)	5.2 (2.5-9.6)	4.5 (2.1-8.4)	3.9 (1.9-7.4)
4	13 (7.1-20)	11 (6.0-18)	10 (5.4-17)	8.9 (4.7-15)	7.8 (4.0-13)	6.7 (3.5-11)	5.9 (3.0-9.9)
5	20 (12-25)	17 (11-22)	15 (10-20)	13 (8.8-18)	11 (7.7-15)	9.9 (6.7-14)	8.6 (5.8-12)
6	29	24	22	19	16	14	12

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.7	2.5	2.4	2.1	1.8	1.6	1.4
1	4.4 (3.0-6.4)	3.9 (2.7-5.5)	3.7 (2.5-5.0)	3.2 (2.2-4.3)	2.8 (1.9-3.8)	2.4 (1.6-3.3)	2.1 (1.4-2.8)
2	6.9 (3.9-11)	6.1 (3.4-10)	5.6 (3.1-9.5)	4.9 (2.6-8.3)	4.2 (2.3-7.3)	3.7 (2.0-6.3)	3.2 (1.7-5.5)
3	11 (5.9-18)	9.4 (4.9-16)	8.5 (4.3-15)	7.4 (3.7-13)	6.4 (3.2-11)	5.5 (2.7-10)	4.8 (2.3-8.7)
4	17 (9.7-25)	14 (8.2-22)	13 (7.1-20)	11 (6.0-18)	9.5 (5.2-15)	8.2 (4.4-13)	7.1 (3.8-12)
5	25 (16-31)	21 (14-27)	19 (13-25)	16 (11-21)	14 (9.5-19)	12 (8.3-16)	10 (7.2-14)
6	36	30	27	23	20	17	15

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.7	3.3	3.1	2.7	2.3	2.0	1.7
1	5.9 (4.2-8.4)	5.2 (3.6-7.2)	4.8 (3.3-6.5)	4.2 (2.8-5.6)	3.6 (2.4-4.8)	3.1 (2.1-4.1)	2.7 (1.8-3.6)
2	9.3 (5.6-14)	8.1 (4.7-13)	7.4 (4.1-12)	6.3 (3.5-10)	5.4 (3.0-9.1)	4.7 (2.6-7.9)	4.1 (2.2-6.9)
3	14 (8.6-22)	12 (6.9-20)	11 (5.9-19)	9.5 (5.0-16)	8.2 (4.3-14)	7.0 (3.6-12)	6.1 (3.1-11)
4	21 (13-30)	18 (12-27)	16 (9.8-25)	14 (8.2-22)	12 (6.9-19)	10 (5.9-17)	8.9 (5.0-14)
5	31 (21-38)	26 (18-34)	23 (17-30)	20 (14-26)	17 (12-23)	15 (11-20)	13 (9.1-17)
6	42	37	33	29	25	21	18

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.9	4.3	4.0	3.4	2.9	2.5	2.1
1	7.7 (5.6-10)	6.7 (4.8-8.9)	6.1 (4.3-7.9)	5.2 (3.6-6.8)	4.4 (3.1-5.8)	3.8 (2.6-5.0)	3.3 (2.2-4.3)
2	12 (7.6-17)	10 (6.3-15)	9.2 (5.4-14)	7.8 (4.6-12)	6.7 (3.9-11)	5.7 (3.3-9.3)	4.9 (2.8-8.1)
3	18 (12-25)	15 (9.5-23)	14 (7.9-22)	12 (6.6-19)	9.9 (5.6-16)	8.5 (4.7-14)	7.2 (4.0-12)
4	25 (18-35)	22 (15-32)	20 (13-29)	17 (11-26)	14 (9.0-22)	12 (7.5-19)	11 (6.3-17)
5	35 (26-43)	31 (23-39)	28 (21-36)	24 (18-31)	21 (15-27)	18 (13-23)	15 (11-20)
6	46	42	38	33	29	25	21

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.4	5.6	5.1	4.3	3.6	3.1	2.6
1	10 (7.3-12)	8.5 (6.3-11)	7.5 (5.5-9.7)	6.3 (4.6-8.2)	5.3 (3.9-6.9)	4.5 (3.2-5.9)	3.8 (2.7-5.0)
2	15 (10-22)	13 (8.4-18)	11 (7.2-16)	9.4 (6.0-13)	7.9 (5.0-11)	6.6 (4.1-9.5)	5.5 (3.4-8.0)
3	23 (15-32)	19 (13-28)	17 (11-24)	14 (8.9-21)	12 (7.3-17)	9.7 (6.1-15)	8.1 (5.0-12)
4	32 (23-43)	28 (20-39)	24 (17-34)	20 (14-29)	17 (11-25)	14 (9.4-21)	12 (7.8-17)
5	44 (38-53)	40 (33-49)	35 (29-43)	29 (24-37)	25 (20-31)	20 (16-27)	17 (13-22)
6	55	52	47	41	35	29	24

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.5	7.4	6.6	5.5	4.6	3.8	3.2
1	14 (9.4-21)	12 (8.3-17)	10 (7.3-13)	8.3 (6.0-11)	6.9 (4.9-8.5)	5.7 (4.0-6.9)	4.7 (3.3-5.8)
2	21 (13-33)	18 (11-28)	15 (9.7-22)	13 (7.9-18)	10 (6.5-15)	8.5 (5.3-12)	7.0 (4.3-10)
3	31 (18-46)	28 (17-40)	23 (15-33)	19 (12-28)	16 (9.8-23)	13 (7.9-19)	11 (6.4-15)
4	43 (27-56)	39 (25-52)	34 (22-47)	29 (18-40)	24 (15-34)	19 (12-28)	16 (9.7-23)
5	55 (40-64)	52 (38-61)	47 (35-57)	41 (29-50)	34 (25-43)	28 (20-36)	23 (17-30)
6	66	64	61	54	47	40	34

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	9.1	8.0	6.6	5.4	4.4	3.7
1	16 (11-26)	14 (10-21)	12 (8.9-17)	10 (7.2-14)	8.2 (5.8-11)	6.7 (4.7-8.9)	5.4 (3.8-7.2)
2	24 (16-37)	22 (14-32)	19 (12-26)	15 (9.7-22)	12 (7.8-17)	10 (6.3-14)	8.1 (5.1-11)
3	34 (22-48)	31 (20-44)	27 (18-38)	23 (14-32)	19 (11-26)	15 (9.2-21)	12 (7.4-17)
4	46 (30-58)	42 (28-54)	39 (26-50)	32 (22-43)	27 (17-37)	22 (14-31)	18 (11-25)
5	57 (42-65)	54 (40-63)	51 (37-60)	44 (31-53)	37 (26-46)	31 (21-39)	26 (17-33)
6	67	65	63	56	49	43	36

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	11	9.3	8.2	6.7	5.4	4.4	3.6
1	17 (12-27)	15 (10-23)	13 (9.1-19)	10 (7.3-15)	8.3 (5.9-12)	6.7 (4.7-9.4)	5.4 (3.8-7.5)
2	26 (17-40)	23 (15-35)	20 (13-28)	16 (10-23)	13 (8.0-19)	10 (6.4-15)	8.3 (5.1-12)
3	37 (24-51)	33 (21-46)	29 (18-40)	24 (15-33)	19 (12-28)	16 (9.3-22)	13 (7.4-18)
4	49 (33-61)	45 (30-56)	40 (27-52)	34 (22-45)	28 (18-38)	23 (15-32)	19 (12-26)
5	59 (45-67)	57 (42-65)	53 (38-62)	46 (32-55)	39 (27-48)	33 (22-41)	27 (18-35)
6	68	67	65	58	52	45	38

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.5	7.3	6.5	5.2	4.2	3.4	2.7
1	14 (9.6-23)	12 (8.2-19)	10 (7.2-15)	8.2 (5.7-12)	6.5 (4.5-9.6)	5.2 (3.6-7.6)	4.2 (2.9-6.0)
2	22 (14-34)	19 (12-29)	16 (9.9-24)	13 (7.9-19)	10 (6.2-15)	8.1 (5.0-12)	6.4 (3.9-9.6)
3	31 (19-45)	28 (17-40)	24 (15-34)	19 (12-28)	16 (9.1-23)	12 (7.2-18)	9.9 (5.7-15)
4	43 (27-55)	39 (24-50)	34 (22-45)	28 (18-38)	23 (14-32)	19 (11-26)	15 (9.0-21)
5	54 (39-62)	51 (35-60)	46 (32-56)	40 (26-48)	33 (21-41)	27 (17-35)	22 (14-29)
6	63	62	59	52	45	38	32