

**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 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 Greece. 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	18	11	7.3	5.0	3.7	2.9	2.4	2.0	1.8	1.7	1.6
1	27 (22-34)	17 (15-22)	11 (9.9-14)	7.7 (6.5-9.8)	5.7 (4.4-7.1)	4.4 (3.2-5.5)	3.6 (2.5-4.7)	3.0 (2.0-4.1)	2.7 (1.8-3.7)	2.6 (1.7-3.6)	2.5 (1.6-3.4)
2	39 (30-52)	26 (20-36)	17 (13-24)	12 (8.7-16)	8.5 (5.9-12)	6.6 (4.1-10)	5.3 (3.1-8.7)	4.5 (2.5-7.6)	4.0 (2.2-6.9)	3.8 (2.0-6.6)	3.6 (1.9-6.4)
3	53 (39-68)	36 (26-48)	25 (18-32)	17 (12-24)	12 (7.9-19)	9.6 (5.5-16)	7.8 (4.1-14)	6.6 (3.3-12)	5.9 (2.8-11)	5.5 (2.6-11)	5.3 (2.4-10)
4	67 (52-80)	50 (35-61)	35 (24-42)	24 (16-31)	18 (12-25)	14 (9.1-21)	11 (6.8-18)	9.4 (5.4-15)	8.4 (4.6-14)	7.9 (4.2-13)	7.5 (3.9-13)
5	80 (71-87)	64 (53-72)	47 (37-53)	34 (26-38)	25 (19-30)	19 (15-25)	16 (12-21)	13 (10-18)	12 (8.5-16)	11 (7.7-16)	11 (7.2-15)
6	89	77	61	46	34	27	22	18	16	15	14

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

**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	20	13	8.8	6.2	4.5	3.5	2.9	2.4	2.2	2.0	1.9
1	30 (25-35)	20 (18-24)	13 (12-16)	9.3 (7.8-11)	6.8 (5.4-8.3)	5.3 (3.9-6.5)	4.3 (3.0-5.5)	3.6 (2.4-4.8)	3.2 (2.1-4.4)	3.0 (1.9-4.2)	2.8 (1.8-4.0)
2	41 (33-53)	28 (23-38)	19 (16-26)	14 (11-19)	10 (7.2-14)	7.8 (5.1-12)	6.3 (3.8-9.9)	5.2 (3.0-8.6)	4.7 (2.6-7.9)	4.4 (2.3-7.4)	4.1 (2.2-7.1)
3	55 (43-67)	39 (30-49)	28 (21-35)	20 (14-28)	15 (9.7-22)	11 (6.8-18)	9.1 (5.1-16)	7.6 (3.9-13)	6.8 (3.4-12)	6.3 (3.0-12)	5.9 (2.8-11)
4	68 (55-78)	52 (39-62)	38 (27-45)	28 (19-35)	21 (14-28)	16 (11-23)	13 (8.3-20)	11 (6.4-17)	9.6 (5.4-16)	8.9 (4.9-15)	8.4 (4.5-14)
5	80 (73-85)	65 (57-72)	50 (42-56)	38 (31-43)	28 (23-34)	22 (17-28)	18 (14-24)	15 (12-20)	13 (9.8-18)	12 (8.7-17)	12 (8.0-17)
6	87	77	63	49	38	30	24	20	18	17	16

**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	21	15	10	7.4	5.6	4.4	3.5	2.9	2.7	2.4	2.3
1	30 (27-35)	21 (19-25)	15 (13-18)	11 (9.2-13)	8.3 (6.6-9.8)	6.5 (4.9-8.0)	5.2 (3.8-6.7)	4.3 (3.0-5.8)	3.9 (2.6-5.4)	3.6 (2.4-5.0)	3.3 (2.2-4.7)
2	41 (34-51)	30 (25-38)	22 (18-28)	16 (12-21)	12 (8.7-16)	9.4 (6.3-14)	7.6 (4.8-12)	6.3 (3.7-10)	5.7 (3.2-9.3)	5.2 (2.9-8.6)	4.8 (2.6-8.1)
3	53 (43-63)	40 (32-48)	30 (23-38)	22 (17-31)	17 (12-25)	13 (8.5-21)	11 (6.3-18)	9.0 (4.9-15)	8.1 (4.2-14)	7.4 (3.7-13)	6.9 (3.4-13)
4	66 (55-73)	52 (41-59)	40 (30-47)	31 (23-38)	24 (17-32)	19 (13-27)	15 (10-23)	13 (7.9-20)	11 (6.7-18)	10 (5.9-17)	9.6 (5.3-16)
5	76 (70-80)	64 (57-69)	51 (45-56)	40 (34-46)	32 (26-38)	25 (21-32)	21 (17-27)	17 (14-23)	15 (12-21)	14 (10-20)	13 (9.2-19)
6	83	74	63	51	41	33	27	23	21	19	18

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

**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	21	15	11	8.5	6.5	5.1	4.1	3.5	3.1	2.8	2.6	
1	30 (28-33)	22 (20-24)	16 (14-18)	12 (10-14)	9.4 (7.5-11)	7.4 (5.7-9.1)	6.0 (4.4-7.7)	5.0 (3.5-6.7)	4.5 (3.1-6.1)	4.1 (2.7-5.7)	3.7 (2.5-5.3)	
2	40 (34-47)	30 (25-37)	23 (19-28)	17 (14-22)	13 (10-18)	11 (7.4-15)	8.6 (5.6-13)	7.2 (4.5-11)	6.4 (3.8-10)	5.8 (3.3-9.5)	5.4 (3.0-8.8)	
3	51 (42-58)	40 (33-47)	31 (25-39)	24 (18-32)	19 (13-27)	15 (9.9-23)	12 (7.5-19)	10 (5.9-17)	9.1 (5.0-16)	8.2 (4.3-14)	7.5 (3.9-13)	
4	61 (53-68)	50 (42-56)	40 (32-48)	32 (25-40)	25 (19-34)	20 (15-28)	17 (12-24)	14 (9.3-21)	12 (7.8-20)	11 (6.8-18)	10 (6.0-17)	
5	71 (66-74)	61 (56-66)	51 (45-56)	41 (36-48)	33 (29-40)	27 (23-34)	22 (19-29)	19 (15-25)	17 (13-23)	15 (11-21)	14 (10-20)	
6	78	70	61	51	42	35	29	25	22	20	19	

**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	21	16	12	9.5	7.4	5.8	4.7	4.0	3.5	3.1	2.8	
1	30 (27-37)	23 (20-28)	18 (15-22)	14 (11-17)	11 (8.4-13)	8.3 (6.4-10)	6.6 (5.0-7.9)	5.6 (4.1-6.6)	4.9 (3.5-5.7)	4.3 (3.0-5.1)	3.9 (2.7-4.6)	
2	41 (34-49)	32 (26-40)	25 (20-32)	19 (15-25)	15 (11-20)	12 (8.5-16)	9.3 (6.5-12)	7.8 (5.2-11)	6.7 (4.4-9.2)	5.9 (3.8-8.2)	5.3 (3.3-7.3)	
3	53 (44-62)	43 (35-53)	34 (26-44)	27 (20-36)	21 (15-29)	16 (11-23)	13 (8.7-19)	11 (7.0-16)	9.2 (5.8-14)	8.0 (5.0-12)	7.1 (4.3-11)	
4	64 (56-71)	55 (46-62)	45 (37-53)	36 (29-44)	29 (22-36)	23 (17-29)	18 (13-24)	15 (11-20)	13 (8.9-18)	11 (7.6-16)	9.6 (6.6-14)	
5	73 (66-77)	65 (58-70)	56 (49-62)	47 (40-53)	38 (32-44)	31 (25-37)	24 (20-30)	20 (16-25)	17 (14-22)	15 (12-19)	13 (10-17)	
6	79	73	67	58	49	40	33	27	23	19	17	

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

**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	21	17	13	10	8.2	6.6	5.3	4.5	4.0	3.5	3.1
1	32 (25-50)	25 (20-41)	20 (15-32)	16 (12-25)	12 (9.2-19)	9.8 (7.2-15)	7.8 (5.6-11)	6.5 (4.7-9.0)	5.6 (4.0-7.3)	4.8 (3.4-6.0)	4.2 (3.0-5.0)
2	43 (32-60)	36 (26-52)	29 (20-43)	23 (16-35)	19 (12-28)	15 (9.6-22)	11 (7.5-17)	9.4 (6.1-14)	7.9 (5.1-11)	6.7 (4.3-9.2)	5.8 (3.7-7.6)
3	55 (41-69)	48 (34-61)	40 (27-53)	33 (21-45)	27 (16-37)	21 (13-30)	17 (10-24)	14 (8.2-20)	11 (6.8-16)	9.4 (5.7-14)	8.0 (4.9-11)
4	66 (51-75)	59 (43-69)	52 (36-63)	45 (29-55)	37 (23-47)	30 (18-39)	24 (14-31)	20 (12-26)	16 (10-21)	13 (8.5-18)	11 (7.3-15)
5	75 (60-80)	69 (52-75)	63 (45-70)	56 (38-63)	49 (31-56)	41 (25-47)	33 (21-39)	28 (17-33)	23 (15-27)	19 (13-23)	15 (11-19)
6	81	77	73	67	60	53	44	38	31	26	21

**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	20	16	13	10	8.3	6.8	5.5	4.8	4.1	3.6	3.2
1	28 (22-45)	23 (18-38)	19 (14-31)	16 (11-25)	13 (9.1-20)	10 (7.3-16)	8.2 (5.9-13)	7.0 (5.0-10)	5.9 (4.2-8.6)	5.1 (3.6-7.1)	4.4 (3.1-5.9)
2	39 (28-55)	33 (23-48)	27 (19-41)	23 (15-34)	18 (12-28)	15 (9.8-23)	12 (7.9-19)	10 (6.6-15)	8.5 (5.5-13)	7.2 (4.7-11)	6.2 (4.0-8.8)
3	50 (36-64)	44 (30-57)	37 (25-51)	32 (20-44)	26 (16-37)	21 (13-30)	17 (11-25)	15 (8.8-21)	12 (7.4-17)	10 (6.3-14)	8.7 (5.3-12)
4	60 (44-70)	54 (38-65)	48 (32-59)	42 (26-52)	36 (22-45)	30 (18-38)	25 (14-32)	21 (12-27)	17 (10-23)	15 (8.9-19)	12 (7.6-16)
5	69 (52-75)	64 (46-71)	59 (40-65)	53 (34-59)	46 (29-53)	40 (24-46)	34 (20-39)	29 (17-34)	24 (15-29)	20 (12-25)	17 (11-21)
6	76	73	68	63	57	51	44	38	33	28	24

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

**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	15	13	10	8.6	7.1	5.9	4.9	4.3	3.7	3.3	2.9
1	23 (17-37)	19 (14-32)	16 (12-26)	13 (9.5-22)	11 (7.7-18)	8.8 (6.3-15)	7.4 (5.3-12)	6.4 (4.5-10)	5.5 (3.8-8.4)	4.7 (3.3-7.1)	4.1 (2.9-6.0)
2	32 (22-47)	27 (19-41)	23 (15-35)	19 (13-30)	16 (10-25)	13 (8.5-21)	11 (7.1-17)	9.4 (6.0-15)	8.0 (5.2-12)	6.9 (4.4-10)	5.9 (3.8-8.8)
3	43 (29-56)	37 (24-51)	32 (20-45)	27 (17-39)	23 (14-33)	19 (12-28)	16 (9.6-23)	14 (8.2-20)	12 (7.0-17)	10 (5.9-14)	8.5 (5.1-12)
4	53 (37-64)	48 (32-59)	43 (27-53)	37 (22-47)	32 (19-41)	27 (16-35)	23 (13-30)	20 (11-26)	17 (9.6-22)	14 (8.3-19)	12 (7.2-16)
5	63 (45-70)	59 (40-65)	54 (35-60)	48 (30-55)	42 (25-49)	37 (21-43)	32 (18-37)	28 (16-33)	24 (13-29)	21 (12-25)	18 (10-21)
6	72	68	64	59	54	48	43	38	33	29	25

**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	9.4	7.9	6.7	5.6	4.7	3.9	3.4	3.0	2.6	2.3	2.1
1	14 (10-24)	12 (8.6-20)	10 (7.2-17)	8.5 (6.0-14)	7.1 (5.0-12)	6.0 (4.2-10)	5.2 (3.6-8.6)	4.5 (3.1-7.4)	3.9 (2.7-6.4)	3.5 (2.4-5.5)	3.0 (2.1-4.7)
2	21 (14-32)	18 (11-27)	15 (9.7-24)	13 (8.1-20)	11 (6.8-17)	9.0 (5.7-14)	7.8 (4.9-12)	6.8 (4.2-11)	5.9 (3.7-9.3)	5.1 (3.2-8.0)	4.5 (2.8-6.9)
3	29 (18-41)	25 (15-36)	22 (13-31)	19 (11-27)	16 (9.3-23)	13 (7.8-20)	12 (6.7-17)	10 (5.8-15)	8.8 (5.1-13)	7.6 (4.4-11)	6.6 (3.8-9.7)
4	39 (24-49)	34 (20-44)	30 (17-39)	26 (15-35)	23 (13-30)	19 (11-26)	17 (9.2-23)	15 (8.0-20)	13 (7.0-17)	11 (6.1-15)	9.7 (5.3-13)
5	50 (31-56)	45 (27-51)	40 (23-47)	36 (20-42)	32 (17-37)	27 (15-32)	24 (13-29)	21 (11-25)	19 (9.8-22)	16 (8.6-20)	14 (7.5-17)
6	60	56	51	47	42	37	33	30	26	23	20