

Greece - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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/m².

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	11	5.8	3.0	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	17 (12-22)	9.2 (6.1-12)	4.8 (3.1-6.3)	2.5 (1.6-3.2)	1.3 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	26 (16-38)	14 (8.5-21)	7.6 (4.4-12)	4.0 (2.3-6.0)	2.0 (1.2-3.1)	1.0 (0.6-1.6)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	38 (23-56)	22 (13-34)	12 (6.7-19)	6.2 (3.5-10)	3.2 (1.8-5.4)	1.7 (0.9-2.8)	0.8 (0.5-1.4)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	53 (37-71)	32 (21-47)	18 (11-28)	9.7 (6.0-15)	5.1 (3.1-8.1)	2.6 (1.6-4.2)	1.3 (0.8-2.2)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	69 (58-82)	45 (36-59)	27 (20-37)	15 (11-21)	7.8 (5.7-11)	4.1 (3.0-5.9)	2.1 (1.5-3.1)	1.1 (0.8-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)
6	84	61	38	22	12	6.2	3.2	1.7	0.9	0.5	0.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	12	6.7	3.7	2.0	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	19 (13-23)	10 (7.0-13)	5.8 (3.8-7.1)	3.1 (2.1-3.9)	1.7 (1.1-2.1)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	28 (18-38)	16 (9.9-23)	9.0 (5.4-13)	4.9 (2.9-7.1)	2.7 (1.6-3.9)	1.4 (0.9-2.1)	0.8 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	40 (26-56)	24 (15-36)	14 (8.1-21)	7.6 (4.5-12)	4.2 (2.4-6.7)	2.3 (1.3-3.6)	1.2 (0.7-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	54 (40-71)	35 (24-49)	21 (14-31)	12 (7.6-18)	6.4 (4.2-10)	3.5 (2.2-5.5)	1.9 (1.2-3.0)	1.1 (0.7-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	69 (61-82)	48 (40-62)	30 (24-41)	17 (14-24)	9.8 (7.7-14)	5.4 (4.2-7.7)	2.9 (2.3-4.2)	1.6 (1.3-2.4)	0.9 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	84	64	42	25	15	8.1	4.4	2.5	1.4	0.8	0.4

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	14	8.1	4.6	2.6	1.4	0.8	0.5	0.3	0.2	0.1	0.1
1	21 (15-25)	12 (8.5-15)	7.1 (4.8-8.4)	4.0 (2.7-4.8)	2.2 (1.5-2.7)	1.3 (0.8-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	31 (20-40)	18 (12-25)	11 (6.8-15)	6.2 (3.8-8.5)	3.5 (2.1-4.8)	1.9 (1.2-2.7)	1.1 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	43 (29-58)	27 (17-39)	16 (10-24)	9.4 (5.8-14)	5.3 (3.2-8.2)	3.0 (1.8-4.6)	1.7 (1.0-2.6)	1.0 (0.6-1.5)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	57 (45-73)	38 (28-52)	24 (17-34)	14 (9.8-21)	8.1 (5.6-12)	4.6 (3.1-7.0)	2.6 (1.8-4.0)	1.5 (1.0-2.3)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
5	71 (65-83)	51 (45-65)	34 (28-45)	21 (17-28)	12 (9.9-17)	6.9 (5.6-9.8)	4.0 (3.2-5.7)	2.3 (1.9-3.3)	1.3 (1.1-1.9)	0.8 (0.6-1.1)	0.4 (0.4-0.6)
6	84	66	46	29	18	10	5.9	3.5	2.0	1.2	0.7

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	16	9.3	5.5	3.2	1.9	1.1	0.7	0.4	0.2	0.1	0.1
1	23 (16-27)	14 (9.8-17)	8.3 (5.8-10)	4.9 (3.4-5.9)	2.9 (2.0-3.5)	1.7 (1.1-2.0)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.4 (0.3-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	32 (22-40)	20 (14-26)	12 (8.1-16)	7.4 (4.8-9.8)	4.4 (2.8-5.8)	2.6 (1.6-3.4)	1.5 (1.0-2.1)	0.9 (0.6-1.2)	0.6 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	44 (32-57)	29 (20-40)	18 (12-26)	11 (7.2-16)	6.6 (4.2-9.6)	3.9 (2.5-5.7)	2.3 (1.5-3.4)	1.4 (0.9-2.1)	0.8 (0.5-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
4	57 (47-71)	40 (31-53)	26 (19-36)	16 (12-23)	9.7 (7.0-14)	5.8 (4.1-8.5)	3.5 (2.5-5.2)	2.1 (1.5-3.2)	1.3 (0.9-1.9)	0.8 (0.5-1.2)	0.5 (0.3-0.7)
5	71 (65-81)	53 (47-65)	36 (31-47)	23 (19-31)	14 (12-20)	8.5 (7.0-12)	5.2 (4.2-7.3)	3.2 (2.6-4.5)	1.9 (1.6-2.7)	1.2 (0.9-1.6)	0.7 (0.6-1.0)
6	83	67	49	32	20	12	7.7	4.7	2.9	1.7	1.0

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	17	11	6.8	4.2	2.5	1.6	1.0	0.6	0.4	0.2	0.2
1	27 (24-33)	18 (15-22)	11 (9.5-14)	6.9 (5.9-8.7)	4.3 (3.6-5.4)	2.6 (2.2-3.3)	1.7 (1.4-2.1)	1.0 (0.9-1.3)	0.7 (0.6-0.8)	0.4 (0.4-0.5)	0.3 (0.2-0.3)
2	41 (34-51)	28 (22-36)	18 (14-24)	11 (8.8-15)	7.0 (5.4-9.6)	4.4 (3.4-6.0)	2.8 (2.1-3.8)	1.8 (1.3-2.4)	1.1 (0.8-1.5)	0.7 (0.5-1.0)	0.4 (0.3-0.6)
3	56 (47-65)	41 (32-50)	28 (21-35)	18 (13-24)	11 (8.3-15)	7.2 (5.2-9.7)	4.6 (3.3-6.3)	2.9 (2.1-4.0)	1.9 (1.3-2.5)	1.2 (0.8-1.6)	0.7 (0.5-1.0)
4	72 (62-77)	57 (46-64)	41 (32-48)	28 (21-34)	18 (13-22)	12 (8.5-15)	7.6 (5.5-9.5)	4.8 (3.5-6.1)	3.1 (2.2-3.9)	1.9 (1.4-2.5)	1.2 (0.9-1.6)
5	83 (77-85)	72 (64-76)	57 (48-62)	41 (34-46)	28 (23-32)	19 (15-21)	12 (9.6-14)	7.9 (6.2-9.1)	5.1 (3.9-5.9)	3.2 (2.5-3.7)	2.0 (1.6-2.4)
6	89	83	72	57	41	29	19	13	8.2	5.3	3.4

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	20	13	8.5	5.5	3.5	2.3	1.5	1.0	0.7	0.4	0.3
1	33 (26-58)	23 (18-44)	16 (12-31)	11 (7.7-22)	6.9 (5.0-14)	4.6 (3.3-9.7)	3.1 (2.2-6.5)	2.0 (1.4-4.3)	1.3 (0.9-2.9)	0.9 (0.6-1.9)	0.6 (0.4-1.2)
2	49 (35-72)	37 (24-60)	27 (16-47)	19 (11-34)	13 (7.0-24)	8.5 (4.6-16)	5.7 (3.1-11)	3.8 (2.0-7.6)	2.5 (1.3-5.1)	1.7 (0.9-3.4)	1.1 (0.6-2.2)
3	65 (47-81)	53 (34-72)	41 (24-60)	30 (16-46)	21 (10-34)	15 (7.0-24)	10 (4.7-17)	6.9 (3.1-12)	4.6 (2.0-8.0)	3.1 (1.3-5.4)	2.0 (0.9-3.6)
4	77 (60-85)	69 (47-79)	58 (34-70)	46 (24-59)	34 (16-46)	25 (11-34)	17 (7.5-25)	12 (5.0-17)	8.1 (3.3-12)	5.5 (2.2-8.1)	3.6 (1.5-5.4)
5	85 (72-88)	80 (62-85)	72 (49-78)	62 (37-68)	50 (26-56)	38 (18-44)	28 (13-33)	20 (8.6-24)	14 (5.8-17)	9.4 (3.9-11)	6.3 (2.6-7.7)
6	89	87	83	76	66	54	42	31	22	16	11

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	14	9.4	6.4	4.3	3.0	2.1	1.5	1.0	0.7	0.5
1	32 (25-56)	24 (17-45)	17 (12-34)	12 (8.3-24)	8.3 (5.7-17)	5.9 (4.0-12)	4.1 (2.8-8.8)	2.9 (1.9-6.2)	2.0 (1.3-4.3)	1.4 (0.9-3.0)	1.0 (0.6-2.1)
2	46 (33-68)	37 (24-59)	28 (17-48)	20 (12-37)	15 (8.0-27)	10 (5.6-20)	7.5 (3.9-15)	5.3 (2.7-10)	3.7 (1.9-7.4)	2.6 (1.3-5.2)	1.8 (0.9-3.6)
3	61 (43-77)	51 (33-69)	41 (24-60)	32 (17-48)	24 (12-38)	18 (8.4-29)	13 (5.9-21)	9.2 (4.1-16)	6.5 (2.9-11)	4.6 (2.0-8.0)	3.2 (1.4-5.6)
4	72 (55-82)	65 (44-76)	56 (33-69)	46 (25-58)	36 (18-48)	28 (13-39)	21 (9.1-30)	15 (6.4-22)	11 (4.5-16)	7.9 (3.2-12)	5.6 (2.2-8.4)
5	80 (66-85)	76 (56-81)	69 (46-75)	60 (36-67)	50 (27-58)	41 (20-48)	32 (15-39)	24 (11-30)	18 (7.5-22)	13 (5.3-16)	9.3 (3.7-12)
6	85	83	79	73	65	56	46	37	28	21	15

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	11	7.9	5.6	4.1	3.0	2.2	1.6	1.2	0.9	0.6
1	26 (19-47)	19 (14-38)	14 (10-29)	10 (7.3-22)	7.8 (5.4-16)	5.8 (4.0-12)	4.3 (2.9-9.2)	3.1 (2.1-6.8)	2.3 (1.5-5.0)	1.7 (1.1-3.7)	1.2 (0.8-2.7)
2	38 (26-60)	31 (19-51)	24 (14-41)	18 (10-32)	14 (7.5-25)	10 (5.6-20)	7.7 (4.1-15)	5.7 (3.0-11)	4.2 (2.2-8.3)	3.1 (1.6-6.2)	2.3 (1.2-4.5)
3	52 (35-70)	44 (27-62)	36 (20-53)	28 (15-43)	22 (11-35)	17 (8.3-28)	13 (6.2-21)	9.8 (4.5-16)	7.3 (3.3-12)	5.5 (2.4-9.2)	4.0 (1.8-6.8)
4	65 (46-76)	58 (36-70)	49 (28-62)	41 (21-53)	33 (16-44)	27 (12-37)	21 (9.2-29)	16 (6.9-23)	12 (5.1-18)	9.2 (3.7-14)	6.9 (2.8-10)
5	75 (57-80)	70 (48-75)	63 (39-69)	55 (31-62)	47 (24-54)	39 (19-46)	32 (14-38)	25 (11-30)	20 (8.2-24)	15 (6.1-18)	11 (4.5-14)
6	81	79	74	68	61	53	45	37	30	23	18

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	8.7	6.6	5.0	3.7	2.9	2.3	1.7	1.3	1.0	0.8	0.6
1	15 (11-31)	12 (8.6-25)	9.1 (6.5-19)	7.0 (4.9-15)	5.5 (3.8-12)	4.3 (3.0-9.4)	3.4 (2.3-7.3)	2.6 (1.8-5.7)	2.0 (1.4-4.4)	1.6 (1.1-3.4)	1.2 (0.8-2.6)
2	25 (15-42)	20 (12-35)	15 (9.0-28)	12 (6.9-22)	9.7 (5.4-18)	7.6 (4.2-15)	6.0 (3.2-12)	4.7 (2.5-9.1)	3.7 (1.9-7.1)	2.8 (1.5-5.6)	2.2 (1.1-4.3)
3	36 (21-53)	30 (16-45)	24 (13-38)	20 (9.8-31)	16 (7.7-26)	13 (6.1-21)	10 (4.7-17)	8.0 (3.7-13)	6.3 (2.9-11)	4.9 (2.2-8.3)	3.8 (1.7-6.5)
4	49 (29-62)	42 (23-55)	36 (18-47)	30 (14-40)	25 (11-34)	20 (9.0-28)	16 (7.1-23)	13 (5.6-18)	10 (4.3-15)	8.2 (3.4-12)	6.5 (2.6-9.4)
5	62 (39-68)	56 (32-62)	49 (26-55)	42 (21-48)	36 (17-42)	30 (14-36)	25 (11-30)	20 (8.6-25)	17 (6.8-20)	13 (5.3-16)	11 (4.2-13)
6	72	68	62	55	49	43	36	31	25	21	17