Greece - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip 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/m²)						
	15	20	25	30	35	40	45
0	0.4	0.2	0.1	0.1	0.1	0.1	0.1
1	0.8 (0.5-1.6)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.6 (0.8-3.4)	0.9 (0.5-1.9)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	3.0 (1.2-5.9)	1.7 (0.7-3.4)	0.9 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.1)	0.4 (0.2-0.9)	0.3 (0.1-0.7)
4	5.4 (2.2-8.8)	3.1 (1.2-5.1)	1.7 (0.7-2.8)	1.3 (0.5-2.2)	1.0 (0.4-1.7)	0.8 (0.3-1.3)	0.6 (0.2-1.0)
5	9.5 (4.3-12)	5.5 (2.5-7.4)	3.1 (1.4-4.2)	2.4 (1.1-3.3)	1.9 (0.8-2.5)	1.5 (0.7-2.0)	1.1 (0.5-1.5)
6	16	9.6	5.5	4.3	3.3	2.6	2.0

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	0.8	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (1.0-2.6)	0.8 (0.6-1.5)	0.5 (0.3-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.7 (1.5-5.2)	1.6 (0.8-3.0)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	4.9 (2.2-9.0)	2.8 (1.3-5.3)	1.6 (0.7-3.0)	1.2 (0.6-2.4)	1.0 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)
4	8.5 (3.9-13)	5.0 (2.3-8.0)	2.9 (1.3-4.6)	2.2 (1.0-3.6)	1.7 (0.8-2.8)	1.3 (0.6-2.2)	1.0 (0.5-1.7)
5	14 (7.6-18)	8.7 (4.6-11)	5.1 (2.6-6.7)	3.9 (2.0-5.2)	3.1 (1.6-4.0)	2.4 (1.2-3.1)	1.8 (0.9-2.4)
6	23	15	8.7	6.8	5.3	4.1	3.2

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.4	0.8	0.5	0.4	0.3	0.2	0.2
1	2.6 (1.9-4.1)	1.5 (1.1-2.4)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)
2	4.5 (2.6-7.8)	2.7 (1.6-4.8)	1.6 (0.9-2.8)	1.2 (0.7-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.6 (0.3-1.0)
3	7.7 (4.0-13)	4.7 (2.4-8.3)	2.8 (1.4-4.9)	2.1 (1.1-3.8)	1.7 (0.8-2.9)	1.3 (0.6-2.3)	1.0 (0.5-1.8)
4	13 (6.9-19)	8.0 (4.2-12)	4.8 (2.4-7.4)	3.7 (1.9-5.8)	2.9 (1.5-4.5)	2.2 (1.1-3.5)	1.7 (0.9-2.7)
5	20 (13-25)	13 (8.1-17)	8.1 (4.9-10)	6.3 (3.8-8.2)	4.9 (2.9-6.4)	3.8 (2.3-4.9)	3.0 (1.7-3.8)
6	31	21	14	11	8.3	6.4	5.0

FRAX ® WHO Fracture Risk Assessment Tool

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	2.4	1.5	0.9	0.7	0.5	0.4	0.3
1	4.1 (3.2-5.9)	2.5 (1.9-3.6)	1.5 (1.1-2.1)	1.2 (0.9-1.6)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.5 (0.4-0.8)
2	6.8 (4.3-11)	4.3 (2.7-6.9)	2.6 (1.6-4.2)	2.0 (1.2-3.3)	1.5 (1.0-2.5)	1.2 (0.7-1.9)	0.9 (0.6-1.5)
3	11 (6.4-18)	7.2 (4.1-12)	4.4 (2.5-7.3)	3.4 (1.9-5.7)	2.6 (1.5-4.4)	2.0 (1.1-3.4)	1.6 (0.9-2.6)
4	17 (11-25)	12 (7.1-17)	7.4 (4.3-11)	5.7 (3.3-8.5)	4.4 (2.6-6.6)	3.4 (2.0-5.1)	2.6 (1.5-4.0)
5	26 (18-31)	19 (13-23)	12 (8.3-15)	9.4 (6.4-12)	7.3 (5.0-9.2)	5.7 (3.8-7.1)	4.4 (3.0-5.5)
6	37	28	19	15	12	9.2	7.2

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.9	2.5	1.6	1.2	0.9	0.7	0.5
1	6.7 (5.0-8.1)	4.5 (3.4-5.3)	2.8 (2.2-3.3)	2.2 (1.7-2.5)	1.7 (1.3-2.0)	1.3 (1.0-1.5)	1.0 (0.8-1.2)
2	11 (7.5-16)	7.8 (5.2-11)	5.0 (3.3-6.9)	3.8 (2.5-5.3)	3.0 (1.9-4.1)	2.3 (1.5-3.2)	1.7 (1.1-2.4)
3	18 (12-26)	13 (8.9-19)	8.7 (5.7-13)	6.8 (4.4-9.9)	5.2 (3.4-7.7)	4.0 (2.6-5.9)	3.1 (2.0-4.6)
4	28 (19-37)	21 (15-30)	15 (10-21)	12 (8.1-17)	9.0 (6.2-13)	7.0 (4.8-10)	5.4 (3.7-7.9)
5	40 (34-48)	33 (28-40)	24 (20-30)	19 (16-24)	15 (13-19)	12 (9.8-15)	9.2 (7.6-12)
6	52	46	37	30	24	19	15

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	6.0	4.2	2.7	2.1	1.6	1.2	0.9
1	11 (7.3-19)	7.9 (5.4-14)	5.3 (3.7-9.2)	4.1 (2.8-7.2)	3.1 (2.2-5.5)	2.4 (1.7-4.2)	1.8 (1.3-3.3)
2	18 (11-30)	14 (8.1-23)	9.8 (5.6-16)	7.6 (4.3-13)	5.9 (3.3-9.8)	4.5 (2.5-7.6)	3.5 (1.9-5.8)
3	28 (16-43)	23 (13-36)	17 (9.6-27)	13 (7.4-21)	10 (5.7-17)	8.1 (4.3-13)	6.3 (3.3-10)
4	40 (25-54)	35 (21-48)	28 (16-40)	23 (13-33)	18 (9.7-27)	14 (7.5-21)	11 (5.7-17)
5	53 (37-62)	49 (33-59)	42 (26-52)	35 (21-44)	29 (17-37)	23 (13-30)	18 (10-24)
6	65	62	57	50	42	35	29

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	8.1	6.1	4.2	3.2	2.4	1.9	1.4
1	14 (9.6-24)	11 (7.5-19)	7.7 (5.5-14)	5.9 (4.2-11)	4.6 (3.2-8.2)	3.5 (2.4-6.3)	2.7 (1.8-4.9)
2	22 (14-36)	18 (11-30)	13 (8.2-22)	10 (6.3-18)	8.1 (4.8-14)	6.2 (3.7-11)	4.8 (2.8-8.4)
3	32 (20-46)	28 (16-40)	22 (12-34)	17 (9.5-28)	14 (7.3-22)	11 (5.6-17)	8.3 (4.3-14)
4	44 (27-57)	40 (24-51)	34 (19-45)	27 (15-38)	22 (12-31)	17 (9.1-25)	14 (6.9-20)
5	56 (40-64)	52 (35-61)	47 (30-56)	40 (24-49)	33 (19-41)	27 (15-34)	22 (12-28)
6	66	64	60	53	46	39	32

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	9.0	6.8	4.8	3.7	2.8	2.1	1.6
1	15 (11-26)	12 (8.4-21)	8.7 (6.2-15)	6.7 (4.7-12)	5.2 (3.6-9.3)	3.9 (2.7-7.2)	3.0 (2.1-5.5)
2	24 (16-39)	20 (12-32)	15 (9.2-25)	12 (7.0-20)	9.1 (5.4-16)	7.0 (4.1-12)	5.4 (3.1-9.4)
3	35 (22-50)	30 (18-44)	24 (14-37)	19 (11-30)	15 (8.2-24)	12 (6.3-19)	9.2 (4.8-15)
4	47 (31-60)	42 (26-55)	36 (21-48)	30 (17-41)	24 (13-34)	19 (10-27)	15 (7.7-22)
5	59 (43-67)	55 (38-64)	50 (33-59)	43 (26-52)	36 (21-44)	29 (17-37)	24 (13-30)
6	68	66	63	56	49	42	35

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.2	5.5	4.0	3.0	2.3	1.7	1.3
1	12 (8.6-22)	9.7 (6.7-17)	7.2 (5.0-13)	5.5 (3.8-10)	4.2 (2.9-7.7)	3.2 (2.2-5.9)	2.4 (1.7-4.5)
2	20 (13-33)	16 (10-27)	13 (7.5-21)	9.7 (5.7-17)	7.5 (4.4-13)	5.7 (3.3-10)	4.4 (2.5-7.8)
3	30 (18-44)	25 (15-38)	20 (11-31)	16 (8.7-25)	13 (6.7-20)	9.8 (5.1-16)	7.5 (3.9-12)
4	42 (26-54)	37 (22-48)	31 (17-42)	25 (14-35)	20 (11-29)	16 (8.1-23)	12 (6.1-18)
5	53 (38-62)	49 (33-58)	44 (27-53)	37 (22-46)	30 (17-38)	25 (14-32)	20 (10-25)
6	63	61	57	50	43	36	29