Greece - 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 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	2.8	2.5	2.4	2.1	1.8	1.6	1.4
1	4.6 (3.2-7.0)	4.0 (2.8-5.8)	3.7 (2.5-5.2)	3.2 (2.2-4.5)	2.8 (1.9-3.9)	2.5 (1.7-3.4)	2.2 (1.5-3.0)
2	7.6 (4.1-12)	6.4 (3.4-11)	5.8 (3.1-9.9)	5.0 (2.7-8.6)	4.4 (2.3-7.6)	3.8 (2.0-6.6)	3.3 (1.8-5.8)
3	12 (6.1-20)	10 (4.9-17)	8.9 (4.3-16)	7.7 (3.7-14)	6.7 (3.2-12)	5.8 (2.8-11)	5.1 (2.4-9.4)
4	19 (10-29)	15 (8.6-24)	13 (7.2-21)	12 (6.2-19)	10 (5.4-16)	8.8 (4.6-14)	7.6 (4.0-13)
5	29 (18-36)	23 (15-30)	20 (13-26)	17 (12-23)	15 (10-20)	13 (8.8-17)	11 (7.7-15)
6	43	34	29	25	22	19	16

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	4.1	3.6	3.3	2.8	2.5	2.2	1.9
1	6.8 (4.8-9.9)	5.7 (4.0-8.0)	5.1 (3.5-7.0)	4.5 (3.1-6.0)	3.9 (2.7-5.2)	3.4 (2.3-4.6)	2.9 (2.0-4.0)
2	11 (6.4-17)	9.0 (5.1-14)	7.9 (4.4-13)	6.9 (3.8-11)	6.0 (3.2-10)	5.2 (2.8-8.8)	4.5 (2.4-7.7)
3	17 (9.6-28)	14 (7.3-23)	12 (6.1-21)	10 (5.3-18)	9.1 (4.5-16)	7.9 (3.9-14)	6.9 (3.4-12)
4	27 (15-38)	21 (13-32)	18 (10-28)	16 (9.0-25)	14 (7.7-22)	12 (6.6-19)	10 (5.7-17)
5	40 (26-48)	31 (21-39)	26 (18-34)	23 (16-30)	20 (14-26)	17 (12-23)	15 (11-20)
6	56	45	37	33	29	25	22

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	6.4	5.3	4.8	4.1	3.6	3.1	2.7
1	10 (7.6-14)	8.4 (6.1-11)	7.4 (5.2-9.8)	6.4 (4.5-8.5)	5.6 (3.9-7.4)	4.8 (3.4-6.4)	4.2 (2.9-5.5)
2	16 (10-25)	13 (7.8-20)	11 (6.5-18)	9.8 (5.6-16)	8.5 (4.8-14)	7.4 (4.1-12)	6.4 (3.6-11)
3	25 (15-37)	20 (12-32)	17 (9.3-28)	15 (7.9-25)	13 (6.8-22)	11 (5.8-19)	9.7 (5.0-17)
4	37 (24-51)	30 (19-43)	25 (16-37)	22 (13-33)	19 (12-29)	16 (9.8-26)	14 (8.4-23)
5	53 (39-61)	43 (31-51)	36 (26-45)	31 (23-40)	27 (20-35)	24 (17-31)	21 (15-27)
6	70	58	49	44	38	34	30

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	9.3	7.6	6.6	5.7	4.9	4.3	3.7
1	15 (11-19)	12 (8.8-15)	10 (7.4-13)	8.8 (6.3-11)	7.6 (5.4-9.8)	6.6 (4.6-8.4)	5.7 (4.0-7.3)
2	23 (15-32)	18 (11-26)	15 (9.3-23)	13 (7.9-20)	12 (6.8-18)	9.9 (5.8-16)	8.6 (4.9-14)
3	34 (23-46)	27 (17-40)	23 (13-36)	20 (11-32)	17 (9.6-28)	15 (8.2-24)	13 (7.0-21)
4	47 (33-61)	39 (27-52)	33 (22-47)	28 (19-41)	25 (16-37)	21 (14-32)	19 (12-29)
5	63 (51-71)	53 (42-62)	45 (36-55)	40 (31-49)	35 (27-44)	31 (23-39)	27 (20-34)
6	77	68	60	54	48	42	37

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	13	11	9.2	7.9	6.7	5.8	5.0
1	21 (16-25)	16 (12-20)	14 (10-17)	12 (8.7-15)	10 (7.4-13)	8.5 (6.3-11)	7.3 (5.4-9.4)
2	31 (21-41)	25 (16-33)	20 (13-27)	17 (11-24)	15 (9.4-20)	13 (8.0-17)	11 (6.8-15)
3	45 (32-58)	36 (25-49)	29 (19-42)	25 (16-36)	21 (14-32)	18 (12-27)	16 (9.7-23)
4	60 (48-72)	50 (39-64)	42 (31-56)	36 (27-49)	31 (22-43)	26 (19-37)	23 (16-32)
5	74 (68-80)	66 (59-75)	57 (49-66)	50 (43-59)	43 (36-52)	37 (31-46)	32 (26-40)
6	83	79	72	65	58	51	45

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	18	15	13	11	9.1	7.7	6.6
1	28 (21-39)	23 (17-30)	19 (14-23)	16 (12-19)	13 (10-16)	11 (8.4-14)	9.6 (7.1-12)
2	41 (28-57)	34 (23-47)	28 (18-37)	24 (15-32)	20 (13-27)	17 (11-22)	14 (9.1-19)
3	56 (40-71)	49 (33-63)	41 (27-55)	35 (23-48)	29 (19-41)	25 (16-35)	21 (13-30)
4	68 (53-79)	63 (48-76)	56 (41-70)	49 (35-63)	42 (29-56)	36 (25-49)	30 (21-42)
5	78 (68-83)	75 (64-82)	71 (59-79)	64 (52-73)	57 (46-66)	50 (40-59)	43 (34-52)
6	84	83	82	77	72	65	58

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	21	18	16	13	11	9.4	8.0
1	32 (24-45)	27 (21-38)	23 (18-30)	20 (15-25)	16 (12-21)	14 (10-17)	12 (8.5-14)
2	44 (32-60)	39 (27-53)	34 (23-45)	28 (19-38)	24 (16-32)	20 (13-26)	17 (11-22)
3	57 (42-70)	52 (38-66)	46 (33-59)	40 (28-52)	34 (23-45)	29 (19-38)	24 (16-33)
4	67 (53-77)	65 (51-75)	60 (47-72)	53 (40-66)	47 (34-59)	40 (29-52)	34 (24-45)
5	76 (65-81)	74 (63-81)	72 (61-79)	66 (54-74)	60 (48-68)	53 (41-62)	46 (35-55)
6	81	81	81	76	71	65	59

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	21	18	16	13	11	9.4	7.9
1	31 (23-44)	27 (20-38)	24 (18-31)	20 (15-26)	16 (12-21)	14 (10-17)	11 (8.2-14)
2	43 (31-59)	38 (27-52)	34 (23-44)	29 (19-38)	24 (16-32)	20 (13-26)	16 (11-22)
3	55 (40-69)	51 (37-65)	46 (33-59)	40 (28-52)	34 (23-44)	28 (19-38)	24 (16-32)
4	66 (52-76)	63 (49-73)	59 (46-71)	52 (39-64)	46 (33-58)	39 (27-51)	33 (23-44)
5	74 (64-79)	73 (61-79)	71 (59-78)	65 (52-73)	58 (46-67)	52 (39-61)	45 (33-54)
6	77	79	79	75	70	64	57

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	15	13	13	10	8.6	7.1	5.9
1	23 (17-35)	20 (15-30)	18 (13-25)	15 (11-20)	13 (9.0-17)	10 (7.3-13)	8.5 (6.0-11)
2	33 (23-48)	30 (20-42)	27 (18-36)	22 (15-30)	18 (12-25)	15 (9.6-21)	12 (7.8-17)
3	45 (31-59)	41 (28-55)	37 (25-49)	31 (21-43)	26 (17-36)	22 (14-30)	18 (11-25)
4	57 (41-68)	53 (38-64)	49 (36-61)	43 (30-54)	36 (25-48)	31 (20-41)	25 (17-34)
5	66 (54-72)	64 (51-72)	61 (48-70)	55 (42-64)	48 (36-57)	41 (30-50)	35 (25-44)
6	71	72	72	66	60	54	47