

Turkey - 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 Turkey. 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	4.5	4.0	3.8	3.3	2.9	2.5	2.2
1	7.4 (5.1-11)	6.4 (4.4-9.2)	5.9 (4.0-8.2)	5.2 (3.5-7.1)	4.5 (3.1-6.2)	4.0 (2.7-5.4)	3.5 (2.3-4.7)
2	12 (6.6-19)	10 (5.5-17)	9.2 (4.9-15)	8.0 (4.3-14)	7.0 (3.7-12)	6.1 (3.2-10)	5.3 (2.8-9.2)
3	19 (9.7-31)	16 (7.8-27)	14 (6.8-24)	12 (5.9-22)	11 (5.1-19)	9.2 (4.4-17)	8.1 (3.8-15)
4	29 (16-42)	23 (13-36)	21 (11-32)	18 (9.8-29)	16 (8.5-25)	14 (7.4-22)	12 (6.4-20)
5	42 (27-51)	34 (23-43)	30 (20-38)	26 (18-34)	23 (16-30)	20 (14-26)	18 (12-23)
6	59	49	42	37	33	29	25

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.9	4.2	3.9	3.4	2.9	2.6	2.2
1	7.9 (5.7-11)	6.7 (4.7-9.4)	6.0 (4.2-8.2)	5.3 (3.6-7.1)	4.6 (3.1-6.2)	4.0 (2.7-5.4)	3.5 (2.4-4.7)
2	13 (7.4-20)	11 (5.9-17)	9.3 (5.1-15)	8.1 (4.4-13)	7.0 (3.8-12)	6.1 (3.3-10)	5.3 (2.9-9.0)
3	20 (11-31)	16 (8.6-27)	14 (7.2-24)	12 (6.2-21)	11 (5.3-19)	9.3 (4.6-17)	8.1 (4.0-15)
4	30 (18-43)	24 (15-36)	21 (12-32)	18 (10-28)	16 (9.0-25)	14 (7.7-22)	12 (6.7-19)
5	44 (30-53)	36 (25-44)	30 (21-38)	26 (19-34)	23 (16-30)	20 (14-26)	18 (12-23)
6	61	50	42	37	33	29	25

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.5	4.6	4.2	3.6	3.1	2.7	2.4
1	8.8 (6.5-12)	7.3 (5.2-9.9)	6.5 (4.5-8.6)	5.6 (3.9-7.4)	4.8 (3.4-6.4)	4.2 (2.9-5.5)	3.7 (2.5-4.8)
2	14 (8.6-21)	11 (6.7-17)	9.9 (5.6-16)	8.6 (4.8-14)	7.4 (4.2-12)	6.4 (3.6-11)	5.6 (3.1-9.2)
3	22 (13-33)	17 (9.8-28)	15 (8.0-25)	13 (6.8-22)	11 (5.8-19)	9.7 (5.0-17)	8.4 (4.3-15)
4	32 (20-45)	26 (16-38)	22 (14-33)	19 (12-29)	17 (9.9-26)	14 (8.5-23)	12 (7.2-20)
5	47 (34-55)	37 (27-46)	32 (23-40)	28 (20-35)	24 (17-31)	21 (15-27)	18 (13-24)
6	63	52	44	39	34	30	26

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.8	5.7	5.1	4.4	3.8	3.3	2.8
1	11 (8.1-14)	8.9 (6.5-12)	7.8 (5.5-10)	6.7 (4.8-8.6)	5.8 (4.1-7.4)	5.0 (3.5-6.4)	4.3 (3.0-5.6)
2	17 (11-24)	14 (8.4-20)	12 (7.0-18)	10 (5.9-16)	8.8 (5.1-14)	7.6 (4.3-12)	6.6 (3.7-11)
3	25 (17-36)	20 (13-31)	18 (10-28)	15 (8.5-25)	13 (7.2-22)	11 (6.1-19)	9.8 (5.2-17)
4	36 (25-48)	30 (20-42)	25 (17-37)	22 (14-33)	19 (12-29)	17 (10-25)	14 (8.8-22)
5	50 (39-59)	42 (32-51)	36 (28-45)	31 (24-39)	27 (21-35)	24 (18-31)	21 (15-27)
6	65	56	49	43	38	33	29

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	8.2	7.1	6.0	5.2	4.4	3.8
1	16 (12-19)	12 (9.4-16)	11 (7.9-13)	9.0 (6.7-11)	7.6 (5.7-9.8)	6.5 (4.8-8.4)	5.6 (4.1-7.2)
2	24 (16-32)	19 (13-26)	16 (10-21)	13 (8.5-18)	11 (7.2-16)	9.6 (6.1-13)	8.2 (5.1-11)
3	35 (25-47)	28 (19-40)	23 (15-34)	20 (12-29)	17 (10-25)	14 (8.8-21)	12 (7.4-18)
4	49 (37-62)	41 (30-54)	33 (25-46)	29 (21-40)	24 (17-34)	21 (14-30)	17 (12-25)
5	63 (57-71)	55 (49-65)	47 (40-56)	41 (34-49)	35 (29-43)	30 (24-37)	25 (20-32)
6	74	70	62	55	48	42	36

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	15	12	10	8.7	7.3	6.2	5.2
1	24 (17-34)	19 (14-26)	16 (12-20)	13 (9.7-16)	11 (8.1-13)	9.2 (6.8-11)	7.7 (5.7-9.4)
2	36 (24-51)	30 (19-42)	24 (15-33)	20 (13-27)	17 (11-23)	14 (8.8-19)	12 (7.3-16)
3	49 (33-65)	43 (29-57)	35 (23-49)	30 (19-42)	25 (16-36)	21 (13-30)	17 (11-25)
4	62 (46-73)	57 (41-70)	50 (35-64)	43 (30-57)	37 (25-50)	31 (21-43)	26 (17-36)
5	72 (60-79)	70 (58-78)	65 (53-74)	58 (46-67)	51 (39-60)	44 (34-53)	37 (28-46)
6	79	79	77	72	66	59	52

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	20	18	15	13	11	9.0	7.5
1	30 (23-44)	26 (20-37)	23 (17-30)	19 (14-25)	16 (12-20)	13 (9.6-17)	11 (8.0-14)
2	42 (30-58)	38 (26-51)	33 (22-43)	28 (19-37)	23 (15-31)	19 (13-25)	16 (10-21)
3	54 (39-68)	50 (36-64)	45 (32-58)	39 (27-51)	33 (22-44)	28 (19-37)	23 (15-31)
4	64 (50-75)	62 (48-73)	58 (45-70)	51 (38-64)	45 (32-57)	38 (27-50)	32 (22-43)
5	73 (62-79)	72 (60-78)	70 (58-77)	64 (51-72)	57 (45-66)	51 (39-60)	44 (33-53)
6	79	79	78	74	69	63	56

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	24	23	22	19	16	13	11
1	34 (25-47)	32 (24-44)	31 (23-39)	26 (19-33)	22 (16-28)	18 (13-23)	15 (11-19)
2	45 (32-60)	43 (31-57)	41 (29-53)	35 (25-46)	30 (20-39)	25 (17-34)	21 (14-28)
3	56 (41-69)	54 (39-67)	52 (38-65)	46 (32-59)	40 (27-52)	34 (23-46)	29 (19-39)
4	65 (51-75)	64 (50-74)	63 (50-73)	57 (43-67)	50 (37-61)	44 (32-55)	38 (27-49)
5	73 (63-78)	72 (62-78)	72 (61-78)	67 (55-74)	61 (49-69)	55 (43-64)	48 (37-57)
6	77	78	79	75	70	65	59

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	26	25	25	21	18	15	12
1	36 (27-49)	34 (26-46)	33 (25-42)	28 (21-35)	24 (18-30)	20 (15-25)	17 (12-21)
2	47 (35-62)	45 (33-59)	44 (32-55)	38 (27-49)	32 (22-42)	27 (19-36)	23 (15-31)
3	57 (43-70)	56 (41-69)	54 (40-67)	48 (34-61)	42 (29-55)	36 (24-48)	31 (20-42)
4	66 (54-75)	65 (53-75)	64 (52-74)	59 (46-69)	53 (40-63)	46 (34-57)	40 (28-51)
5	71 (64-74)	72 (63-77)	73 (63-78)	68 (58-75)	63 (52-71)	57 (46-65)	51 (40-60)
6	70	76	78	75	71	67	61