Turkey - The probabilities of a hip fracture in women

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 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/m²)						
	15	20	25	30	35	40	45
0	1.1	0.6	0.3	0.3	0.2	0.2	0.1
1	2.3 (1.5-4.4)	1.2 (0.8-2.4)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.2 (0.2-0.5)
2	4.4 (2.2-9.2)	2.4 (1.2-5.0)	1.3 (0.6-2.7)	1.0 (0.5-2.1)	0.8 (0.4-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)
3	8.1 (3.3-16)	4.5 (1.8-8.8)	2.4 (1.0-4.8)	1.9 (0.8-3.7)	1.5 (0.6-2.9)	1.1 (0.5-2.3)	0.9 (0.4-1.8)
4	15 (5.8-23)	8.1 (3.2-13)	4.5 (1.7-7.2)	3.5 (1.3-5.7)	2.7 (1.0-4.4)	2.1 (0.8-3.5)	1.6 (0.6-2.7)
5	25 (12-32)	14 (6.7-19)	8.0 (3.7-11)	6.2 (2.9-8.4)	4.9 (2.2-6.6)	3.8 (1.7-5.2)	3.0 (1.4-4.0)
6	40	24	14	11	8.6	6.7	5.3

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	1.5	0.8	0.4	0.3	0.3	0.2	0.2
1	3.0 (2.0-5.1)	1.6 (1.1-2.8)	0.9 (0.6-1.5)	0.7 (0.5-1.2)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.6)
2	5.5 (3.0-11)	3.0 (1.6-5.9)	1.6 (0.9-3.2)	1.3 (0.7-2.5)	1.0 (0.5-2.0)	0.8 (0.4-1.5)	0.6 (0.3-1.2)
3	9.9 (4.6-18)	5.5 (2.5-10)	3.0 (1.3-5.6)	2.3 (1.0-4.4)	1.8 (0.8-3.4)	1.4 (0.6-2.7)	1.1 (0.5-2.1)
4	17 (7.9-26)	9.8 (4.4-15)	5.4 (2.4-8.5)	4.2 (1.8-6.7)	3.3 (1.4-5.2)	2.6 (1.1-4.1)	2.0 (0.9-3.2)
5	29 (16-37)	17 (9.1-22)	9.4 (5.0-13)	7.4 (3.9-9.9)	5.8 (3.1-7.7)	4.5 (2.4-6.1)	3.5 (1.9-4.7)
6	45	28	16	13	10	7.9	6.2

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.1	1.1	0.6	0.5	0.4	0.3	0.2
1	3.8 (2.7-5.9)	2.1 (1.5-3.3)	1.1 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)	0.4 (0.3-0.7)
2	6.8 (4.0-12)	3.8 (2.2-6.9)	2.1 (1.2-3.8)	1.6 (0.9-2.9)	1.3 (0.7-2.3)	1.0 (0.6-1.8)	0.8 (0.4-1.4)
3	12 (6.1-20)	6.7 (3.4-12)	3.7 (1.8-6.6)	2.9 (1.4-5.2)	2.3 (1.1-4.0)	1.7 (0.9-3.1)	1.4 (0.7-2.4)
4	20 (11-29)	12 (5.9-17)	6.5 (3.2-9.9)	5.1 (2.5-7.8)	4.0 (2.0-6.1)	3.1 (1.5-4.8)	2.4 (1.2-3.7)
5	32 (21-40)	19 (12-25)	11 (6.8-14)	8.8 (5.3-11)	6.9 (4.2-9.0)	5.4 (3.2-7.0)	4.2 (2.5-5.5)
6	49	31	19	15	12	9.1	7.2

Ten year probability of hip 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	3.0	1.7	0.9	0.7	0.6	0.4	0.3
1	5.3 (4.0-7.4)	3.0 (2.2-4.2)	1.7 (1.2-2.3)	1.3 (1.0-1.8)	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.6 (0.5-0.8)
2	9.1 (5.8-15)	5.2 (3.3-8.6)	2.9 (1.8-4.9)	2.3 (1.4-3.8)	1.8 (1.1-2.9)	1.4 (0.9-2.3)	1.1 (0.7-1.8)
3	15 (8.7-24)	8.9 (5.0-15)	5.1 (2.8-8.4)	3.9 (2.2-6.6)	3.1 (1.7-5.2)	2.4 (1.3-4.0)	1.8 (1.0-3.1)
4	24 (15-34)	15 (8.6-21)	8.6 (4.9-13)	6.7 (3.8-9.9)	5.2 (3.0-7.8)	4.1 (2.3-6.1)	3.2 (1.8-4.7)
5	37 (27-44)	24 (17-29)	14 (10-18)	11 (7.8-14)	8.8 (6.1-11)	6.9 (4.7-8.8)	5.4 (3.7-6.9)
6	53	37	23	18	14	11	8.9

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	5.7	3.4	2.0	1.5	1.2	0.9	0.7
1	10 (7.8-12)	6.1 (4.8-7.2)	3.6 (2.8-4.1)	2.8 (2.2-3.2)	2.1 (1.7-2.5)	1.7 (1.3-1.9)	1.3 (1.0-1.5)
2	17 (12-23)	11 (7.3-15)	6.5 (4.3-8.6)	5.0 (3.3-6.7)	3.9 (2.6-5.2)	3.0 (2.0-4.1)	2.3 (1.5-3.2)
3	28 (19-38)	19 (12-26)	11 (7.5-17)	9.0 (5.8-13)	7.0 (4.5-10)	5.4 (3.5-8.1)	4.2 (2.7-6.3)
4	42 (32-54)	30 (22-41)	20 (14-27)	16 (11-22)	12 (8.8-18)	9.6 (6.9-14)	7.5 (5.3-11)
5	58 (52-66)	46 (40-54)	32 (28-38)	26 (22-31)	21 (18-25)	16 (14-20)	13 (11-16)
6	71	63	49	41	34	27	22

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	11	6.9	4.2	3.2	2.5	1.9	1.5
1	19 (14-31)	13 (9.3-22)	8.1 (5.9-14)	6.3 (4.6-11)	4.9 (3.5-8.5)	3.8 (2.7-6.6)	2.9 (2.1-5.1)
2	31 (20-47)	23 (14-35)	15 (8.8-25)	12 (6.9-20)	9.3 (5.3-16)	7.2 (4.1-12)	5.6 (3.2-9.6)
3	45 (29-62)	36 (23-52)	26 (15-40)	21 (12-32)	17 (9.2-26)	13 (7.1-21)	10 (5.5-17)
4	59 (42-72)	52 (35-67)	41 (25-56)	34 (20-48)	28 (16-40)	23 (13-33)	18 (9.8-27)
5	70 (57-78)	67 (51-75)	59 (41-69)	51 (34-61)	43 (27-53)	36 (22-45)	30 (17-37)
6	79	77	74	68	61	53	45

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	16	11	7.3	5.6	4.4	3.4	2.6
1	26 (19-41)	19 (14-32)	13 (9.8-23)	10 (7.6-18)	8.1 (5.9-14)	6.3 (4.5-11)	4.9 (3.5-8.7)
2	38 (27-56)	31 (21-47)	23 (15-37)	18 (11-30)	14 (8.8-24)	11 (6.8-19)	8.8 (5.2-15)
3	51 (36-66)	45 (29-60)	36 (21-52)	30 (17-45)	24 (13-37)	19 (10-30)	15 (8.0-24)
4	63 (46-74)	58 (41-70)	51 (34-65)	44 (27-57)	37 (22-49)	30 (17-42)	24 (13-34)
5	72 (59-79)	70 (55-77)	66 (48-74)	59 (41-68)	52 (34-61)	44 (27-53)	37 (22-45)
6	79	78	77	72	65	59	51

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Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	19	15	11	8.2	6.3	4.8	3.7
1	29 (22-45)	24 (18-39)	18 (13-31)	15 (10-25)	11 (8.1-20)	8.8 (6.2-16)	6.8 (4.7-12)
2	41 (29-58)	36 (25-53)	29 (19-45)	24 (15-38)	19 (12-31)	15 (9.2-25)	12 (7.1-20)
3	53 (38-67)	49 (34-64)	43 (28-58)	36 (22-51)	30 (18-44)	24 (14-36)	19 (11-30)
4	64 (48-74)	61 (44-72)	56 (39-68)	50 (32-62)	43 (26-55)	36 (21-48)	29 (16-40)
5	72 (61-77)	71 (57-77)	68 (53-76)	62 (46-71)	56 (39-65)	49 (32-58)	42 (26-51)
6	77	78	77	73	67	61	55

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	20	16	11	8.8	6.7	5.2	3.9
1	31 (23-47)	25 (19-40)	20 (14-33)	15 (11-26)	12 (8.5-21)	9.3 (6.5-16)	7.2 (5.0-13)
2	43 (31-60)	38 (26-55)	31 (21-47)	25 (16-40)	20 (13-33)	16 (9.7-26)	12 (7.5-21)
3	55 (40-69)	51 (36-65)	44 (29-60)	37 (23-53)	31 (19-45)	25 (15-38)	20 (11-31)
4	64 (50-74)	62 (46-73)	58 (41-70)	51 (34-63)	44 (27-57)	37 (22-49)	31 (17-42)
5	70 (62-74)	71 (59-77)	69 (55-76)	64 (48-72)	57 (40-66)	50 (33-60)	43 (27-53)
6	70	76	77	73	69	63	57