

**Italy - The probabilities of a hip fracture in men**

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 Italy. 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/m<sup>2</sup>.

**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	16	8.8	4.7	2.5	1.3	0.7	0.4	0.2	0.1	0.1	0.0	
1	25 (17-31)	14 (9.2-18)	7.5 (4.9-9.8)	4.0 (2.6-5.2)	2.1 (1.4-2.8)	1.1 (0.7-1.5)	0.6 (0.4-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
2	36 (23-50)	21 (13-31)	12 (6.9-17)	6.3 (3.7-9.5)	3.4 (1.9-5.1)	1.8 (1.0-2.7)	0.9 (0.5-1.4)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
3	50 (33-69)	31 (19-46)	18 (10-28)	9.8 (5.6-16)	5.3 (2.9-8.6)	2.8 (1.6-4.6)	1.5 (0.8-2.4)	0.8 (0.4-1.3)	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	
4	65 (50-82)	44 (30-61)	27 (17-39)	15 (9.4-23)	8.2 (5.0-13)	4.4 (2.7-7.0)	2.3 (1.4-3.7)	1.2 (0.7-2.0)	0.6 (0.4-1.0)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	
5	80 (71-89)	59 (49-73)	38 (30-51)	22 (17-31)	12 (9.2-18)	6.7 (4.9-9.7)	3.6 (2.6-5.2)	1.9 (1.4-2.8)	1.0 (0.7-1.5)	0.5 (0.4-0.8)	0.3 (0.2-0.4)	
6	90	75	52	32	19	10	5.5	2.9	1.6	0.8	0.5	

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Italy.

**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	16	9.0	5.0	2.7	1.5	0.8	0.4	0.2	0.1	0.1	0.0
1	24 (17-29)	14 (9.4-17)	7.8 (5.2-9.6)	4.3 (2.9-5.3)	2.4 (1.6-2.9)	1.3 (0.9-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	34 (23-46)	21 (13-29)	12 (7.3-17)	6.7 (4.1-9.6)	3.7 (2.2-5.4)	2.0 (1.2-3.0)	1.1 (0.7-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	48 (32-64)	30 (19-44)	18 (11-27)	10 (6.1-16)	5.7 (3.4-9.0)	3.2 (1.8-5.0)	1.7 (1.0-2.7)	0.9 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	62 (48-77)	42 (30-58)	26 (18-38)	15 (10-23)	8.7 (5.7-13)	4.9 (3.1-7.5)	2.7 (1.7-4.2)	1.5 (0.9-2.3)	0.8 (0.5-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
5	76 (69-86)	56 (48-70)	37 (31-49)	23 (18-31)	13 (10-18)	7.4 (5.8-11)	4.1 (3.2-5.9)	2.2 (1.7-3.2)	1.3 (1.0-1.8)	0.7 (0.6-1.0)	0.4 (0.3-0.6)
6	87	71	51	32	19	11	6.2	3.4	1.9	1.1	0.6

**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	15	9.0	5.3	3.1	1.8	1.0	0.6	0.4	0.2	0.1	0.1
1	22 (16-26)	14 (9.5-16)	8.1 (5.6-9.5)	4.8 (3.3-5.6)	2.8 (1.9-3.3)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	32 (22-41)	20 (13-27)	12 (7.9-17)	7.3 (4.6-10)	4.3 (2.7-5.9)	2.5 (1.6-3.5)	1.5 (0.9-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
3	43 (31-57)	29 (19-40)	18 (12-26)	11 (7.0-16)	6.5 (4.1-9.6)	3.8 (2.4-5.7)	2.2 (1.4-3.3)	1.3 (0.8-2.0)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
4	56 (45-70)	40 (30-53)	26 (19-36)	16 (11-23)	9.7 (6.8-14)	5.7 (4.0-8.6)	3.4 (2.3-5.1)	2.0 (1.3-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.4 (0.3-0.6)
5	69 (64-79)	52 (46-64)	36 (31-47)	23 (20-31)	14 (12-20)	8.5 (7.1-12)	5.0 (4.2-7.1)	3.0 (2.4-4.2)	1.8 (1.5-2.5)	1.1 (0.9-1.5)	0.6 (0.5-0.9)
6	80	66	48	32	21	13	7.5	4.4	2.7	1.6	1.0

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Italy.

**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	14	9.1	5.7	3.5	2.2	1.3	0.8	0.5	0.3	0.2	0.1
1	21 (15-24)	13 (9.5-15)	8.5 (6.0-9.9)	5.3 (3.7-6.2)	3.3 (2.3-3.9)	2.0 (1.4-2.4)	1.2 (0.9-1.5)	0.8 (0.5-0.9)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	29 (21-36)	19 (13-24)	12 (8.4-16)	7.9 (5.2-10)	4.9 (3.2-6.4)	3.0 (2.0-4.0)	1.9 (1.2-2.5)	1.2 (0.8-1.5)	0.7 (0.5-1.0)	0.5 (0.3-0.6)	0.3 (0.2-0.4)
3	39 (29-49)	27 (19-35)	18 (12-24)	11 (7.9-16)	7.3 (4.9-10)	4.5 (3.0-6.4)	2.8 (1.9-4.0)	1.8 (1.2-2.5)	1.1 (0.7-1.6)	0.7 (0.5-1.0)	0.5 (0.3-0.7)
4	50 (42-61)	36 (29-47)	25 (19-34)	16 (12-23)	11 (7.9-15)	6.7 (4.9-9.5)	4.2 (3.1-6.0)	2.6 (1.9-3.8)	1.7 (1.2-2.4)	1.1 (0.8-1.6)	0.7 (0.5-1.0)
5	62 (58-71)	47 (43-58)	34 (30-43)	23 (20-30)	15 (13-20)	9.7 (8.1-13)	6.1 (5.1-8.4)	3.8 (3.2-5.3)	2.5 (2.0-3.4)	1.6 (1.3-2.2)	1.0 (0.8-1.4)
6	72	59	45	32	21	14	8.8	5.6	3.6	2.3	1.5

**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	14	9.3	6.2	4.1	2.7	1.8	1.2	0.8	0.5	0.4	0.2
1	21 (19-27)	15 (13-19)	10 (8.7-13)	6.7 (5.8-8.6)	4.4 (3.8-5.7)	2.9 (2.5-3.8)	1.9 (1.6-2.5)	1.3 (1.1-1.6)	0.9 (0.7-1.1)	0.6 (0.5-0.7)	0.4 (0.3-0.5)
2	31 (27-39)	22 (19-29)	16 (13-20)	11 (8.7-14)	7.1 (5.8-9.5)	4.7 (3.8-6.3)	3.1 (2.5-4.2)	2.1 (1.7-2.8)	1.4 (1.1-1.9)	1.0 (0.8-1.3)	0.6 (0.5-0.9)
3	44 (37-51)	33 (27-39)	24 (19-29)	17 (13-21)	11 (8.7-14)	7.6 (5.8-9.6)	5.0 (3.8-6.4)	3.4 (2.6-4.3)	2.3 (1.7-3.0)	1.6 (1.2-2.0)	1.1 (0.8-1.4)
4	56 (49-63)	45 (37-51)	34 (27-40)	25 (19-29)	17 (13-21)	12 (8.9-14)	8.0 (5.9-9.6)	5.5 (4.0-6.6)	3.7 (2.7-4.5)	2.5 (1.9-3.1)	1.7 (1.3-2.1)
5	67 (60-71)	58 (50-61)	47 (39-50)	36 (29-39)	26 (21-29)	18 (14-20)	13 (9.7-14)	8.7 (6.7-9.8)	6.0 (4.6-6.8)	4.1 (3.1-4.7)	2.8 (2.1-3.2)
6	76	68	59	48	37	27	19	14	9.5	6.6	4.5

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Italy.

**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	14	10	7.1	5.0	3.5	2.4	1.7	1.2	0.9	0.6	0.4
1	24 (19-44)	18 (14-34)	13 (9.9-26)	9.3 (7.0-19)	6.6 (4.9-14)	4.7 (3.4-10)	3.3 (2.4-7.1)	2.3 (1.7-5.1)	1.7 (1.2-3.7)	1.2 (0.9-2.6)	0.9 (0.6-1.9)
2	36 (25-55)	28 (19-45)	21 (14-36)	16 (9.8-28)	12 (6.9-21)	8.4 (4.8-16)	5.9 (3.4-11)	4.3 (2.4-8.2)	3.1 (1.7-6.0)	2.2 (1.2-4.3)	1.6 (0.9-3.1)
3	48 (33-64)	40 (25-56)	32 (19-47)	25 (14-38)	19 (10-30)	14 (7.1-22)	10 (5.0-16)	7.5 (3.6-12)	5.5 (2.6-9.0)	4.0 (1.9-6.5)	2.9 (1.3-4.7)
4	61 (42-71)	53 (34-64)	45 (26-56)	37 (20-47)	29 (15-38)	22 (11-30)	17 (7.5-22)	12 (5.4-17)	9.2 (3.9-13)	6.8 (2.8-9.4)	4.9 (2.0-6.9)
5	71 (52-76)	65 (44-71)	58 (36-64)	50 (28-56)	41 (21-47)	33 (16-38)	26 (11-29)	20 (8.5-23)	15 (6.2-17)	11 (4.5-13)	8.2 (3.3-9.6)
6	79	74	69	62	54	46	37	30	23	18	13

**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	14	10	7.8	5.8	4.3	3.2	2.3	1.8	1.3	1.0	0.8
1	23 (17-42)	18 (13-35)	14 (10-28)	11 (7.6-22)	7.9 (5.6-17)	5.9 (4.2-13)	4.4 (3.1-9.7)	3.4 (2.3-7.4)	2.6 (1.8-5.7)	1.9 (1.3-4.3)	1.5 (1.0-3.3)
2	33 (22-53)	27 (18-45)	22 (14-38)	17 (10-30)	13 (7.8-24)	10 (5.8-19)	7.8 (4.3-15)	6.0 (3.3-11)	4.6 (2.5-8.8)	3.5 (1.9-6.8)	2.7 (1.4-5.2)
3	45 (29-61)	38 (23-54)	32 (18-47)	26 (14-40)	21 (11-33)	16 (8.1-26)	13 (6.1-21)	10 (4.7-17)	7.8 (3.6-13)	6.0 (2.7-10)	4.6 (2.1-7.8)
4	56 (37-68)	50 (31-62)	44 (25-55)	37 (20-48)	31 (15-41)	25 (12-34)	20 (9.1-27)	16 (7.0-22)	13 (5.4-18)	9.8 (4.1-14)	7.6 (3.1-11)
5	67 (47-72)	61 (40-67)	55 (33-62)	49 (27-55)	42 (22-48)	35 (17-41)	29 (13-34)	24 (10-28)	19 (8.1-23)	15 (6.3-18)	12 (4.8-15)
6	75	71	66	60	54	47	40	34	28	23	19

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Italy.

**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	12	9.2	7.2	5.7	4.4	3.4	2.7	2.1	1.7	1.3	1.1
1	20 (15-38)	16 (12-32)	13 (9.4-26)	10 (7.4-21)	8.1 (5.7-17)	6.3 (4.5-14)	5.0 (3.5-11)	4.0 (2.8-8.8)	3.2 (2.2-7.1)	2.6 (1.8-5.7)	2.0 (1.4-4.5)
2	30 (19-48)	25 (16-42)	21 (13-35)	17 (9.9-30)	14 (7.9-24)	11 (6.2-20)	8.7 (4.9-16)	7.0 (3.9-13)	5.7 (3.1-11)	4.6 (2.5-8.7)	3.7 (2.0-7.1)
3	41 (26-57)	36 (21-51)	30 (17-45)	26 (14-39)	21 (11-33)	17 (8.6-28)	14 (6.8-23)	12 (5.5-19)	9.5 (4.4-16)	7.7 (3.5-13)	6.2 (2.8-10)
4	53 (33-65)	47 (28-59)	42 (23-54)	36 (19-48)	31 (15-41)	26 (12-35)	22 (10-30)	18 (8.2-25)	15 (6.6-21)	12 (5.3-17)	10 (4.3-14)
5	64 (43-70)	59 (37-65)	54 (32-60)	48 (27-54)	42 (22-48)	37 (18-42)	31 (15-36)	27 (12-31)	23 (9.8-27)	19 (8.0-23)	16 (6.5-19)
6	72	69	65	60	54	49	43	38	33	28	24

**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	7.7	6.4	5.2	4.2	3.5	2.8	2.3	2.0	1.6	1.4	1.1
1	13 (10-27)	11 (8.2-23)	9.4 (6.8-20)	7.7 (5.5-17)	6.4 (4.5-14)	5.2 (3.7-11)	4.4 (3.1-9.6)	3.7 (2.6-8.1)	3.1 (2.1-6.8)	2.6 (1.8-5.7)	2.2 (1.5-4.8)
2	21 (13-37)	18 (11-32)	15 (9.0-28)	13 (7.4-23)	11 (6.1-20)	9.0 (5.0-17)	7.6 (4.2-14)	6.4 (3.5-12)	5.4 (3.0-10)	4.6 (2.5-8.6)	3.8 (2.1-7.3)
3	31 (18-46)	27 (15-41)	24 (12-36)	20 (10-32)	17 (8.5-27)	14 (7.0-23)	12 (5.9-20)	11 (4.9-17)	9.0 (4.2-15)	7.6 (3.5-13)	6.4 (2.9-11)
4	43 (24-55)	38 (21-50)	34 (17-45)	30 (15-40)	26 (12-35)	22 (10-30)	19 (8.6-26)	16 (7.3-23)	14 (6.2-20)	12 (5.2-17)	10 (4.4-15)
5	54 (33-61)	50 (28-56)	45 (24-51)	41 (21-46)	36 (18-41)	32 (15-37)	28 (13-32)	25 (11-29)	21 (9.1-25)	19 (7.8-22)	16 (6.6-19)
6	65	61	57	53	48	43	39	35	31	27	24