

Italy - 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 Italy. 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	0.5	0.3	0.1	0.1	0.1	0.1	0.1
1	0.9 (0.6-1.8)	0.5 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	1.8 (0.9-3.8)	1.0 (0.5-2.1)	0.5 (0.3-1.1)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	3.3 (1.4-6.6)	1.9 (0.7-3.7)	1.0 (0.4-2.0)	0.8 (0.3-1.6)	0.6 (0.2-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)
4	6.1 (2.4-9.9)	3.4 (1.3-5.5)	1.9 (0.7-3.1)	1.5 (0.6-2.4)	1.1 (0.4-1.9)	0.9 (0.3-1.4)	0.7 (0.3-1.1)
5	11 (4.9-14)	6.1 (2.8-8.1)	3.4 (1.5-4.5)	2.6 (1.2-3.5)	2.0 (0.9-2.8)	1.6 (0.7-2.1)	1.2 (0.6-1.7)
6	18	11	5.9	4.6	3.6	2.8	2.2

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	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 (0.6-1.4)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.7 (1.5-5.3)	1.5 (0.8-3.0)	0.8 (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 (2.2-9.1)	2.8 (1.3-5.2)	1.5 (0.7-2.9)	1.2 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)
4	8.6 (3.9-14)	5.0 (2.2-7.9)	2.8 (1.2-4.4)	2.2 (0.9-3.4)	1.7 (0.7-2.7)	1.3 (0.6-2.1)	1.0 (0.4-1.6)
5	15 (7.9-19)	8.6 (4.5-11)	4.9 (2.6-6.5)	3.8 (2.0-5.1)	3.0 (1.5-3.9)	2.3 (1.2-3.1)	1.8 (0.9-2.4)
6	24	15	8.4	6.6	5.1	4.0	3.1

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	0.8	0.4	0.3	0.3	0.2	0.2
1	2.4 (1.8-3.9)	1.4 (1.0-2.2)	0.8 (0.6-1.2)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	4.3 (2.5-7.5)	2.5 (1.5-4.5)	1.4 (0.8-2.6)	1.1 (0.6-2.0)	0.9 (0.5-1.5)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
3	7.4 (3.8-13)	4.4 (2.2-7.8)	2.5 (1.3-4.5)	2.0 (1.0-3.5)	1.5 (0.8-2.7)	1.2 (0.6-2.1)	0.9 (0.5-1.6)
4	12 (6.6-19)	7.6 (3.9-12)	4.4 (2.2-6.8)	3.4 (1.7-5.3)	2.7 (1.3-4.1)	2.1 (1.0-3.2)	1.6 (0.8-2.5)
5	20 (13-25)	13 (7.7-16)	7.6 (4.5-9.8)	5.9 (3.5-7.6)	4.6 (2.7-6.0)	3.6 (2.1-4.6)	2.8 (1.6-3.6)
6	31	21	13	9.9	7.7	6.0	4.7

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.2	1.3	0.8	0.6	0.5	0.4	0.3
1	3.8 (2.9-5.4)	2.3 (1.7-3.3)	1.3 (1.0-1.9)	1.0 (0.8-1.5)	0.8 (0.6-1.1)	0.6 (0.5-0.9)	0.5 (0.4-0.7)
2	6.4 (4.0-10)	4.0 (2.5-6.4)	2.3 (1.5-3.8)	1.8 (1.1-3.0)	1.4 (0.9-2.3)	1.1 (0.7-1.8)	0.8 (0.5-1.4)
3	10 (6.0-17)	6.7 (3.8-11)	4.0 (2.2-6.7)	3.1 (1.7-5.2)	2.4 (1.3-4.0)	1.8 (1.0-3.1)	1.4 (0.8-2.4)
4	17 (10-24)	11 (6.5-16)	6.7 (3.9-10)	5.2 (3.0-7.8)	4.0 (2.3-6.1)	3.1 (1.8-4.7)	2.4 (1.4-3.6)
5	25 (18-30)	17 (12-21)	11 (7.6-14)	8.6 (5.9-11)	6.7 (4.6-8.5)	5.2 (3.5-6.6)	4.0 (2.7-5.1)
6	37	27	18	14	11	8.5	6.6

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.5	2.3	1.4	1.1	0.8	0.6	0.5
1	6.1 (4.5-7.3)	4.0 (3.1-4.8)	2.5 (1.9-3.0)	1.9 (1.5-2.3)	1.5 (1.1-1.8)	1.1 (0.9-1.4)	0.9 (0.7-1.0)
2	10 (6.8-15)	7.0 (4.6-9.9)	4.5 (3.0-6.2)	3.5 (2.3-4.8)	2.7 (1.7-3.7)	2.0 (1.3-2.9)	1.6 (1.0-2.2)
3	17 (11-24)	12 (8.0-17)	7.9 (5.2-12)	6.1 (4.0-9.0)	4.7 (3.1-6.9)	3.6 (2.4-5.4)	2.8 (1.8-4.1)
4	26 (18-35)	20 (14-27)	13 (9.4-19)	10 (7.3-15)	8.1 (5.6-12)	6.3 (4.3-9.2)	4.9 (3.3-7.1)
5	37 (32-46)	30 (26-37)	22 (19-27)	18 (15-22)	14 (11-17)	11 (8.9-14)	8.3 (6.8-11)
6	50	44	34	28	22	18	14

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.5	3.9	2.5	1.9	1.5	1.1	0.9
1	9.9 (6.7-17)	7.3 (5.0-13)	4.9 (3.4-8.5)	3.8 (2.6-6.6)	2.9 (2.0-5.1)	2.2 (1.5-3.9)	1.7 (1.2-3.0)
2	17 (9.9-28)	13 (7.5-21)	9.1 (5.2-15)	7.0 (4.0-12)	5.4 (3.0-9.1)	4.2 (2.3-7.0)	3.2 (1.8-5.4)
3	26 (14-41)	21 (12-33)	16 (8.9-25)	12 (6.8-20)	9.7 (5.2-15)	7.5 (4.0-12)	5.8 (3.0-9.4)
4	38 (23-51)	33 (19-45)	26 (15-38)	21 (12-31)	17 (8.9-25)	13 (6.8-20)	10 (5.2-16)
5	50 (34-60)	46 (30-56)	40 (25-49)	33 (20-41)	27 (15-34)	21 (12-28)	17 (9.2-22)
6	62	59	55	47	40	33	27

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.2	6.2	4.3	3.3	2.5	1.9	1.5
1	14 (9.6-24)	11 (7.7-19)	7.9 (5.6-14)	6.1 (4.3-11)	4.7 (3.3-8.4)	3.6 (2.5-6.5)	2.7 (1.9-5.0)
2	22 (14-36)	18 (11-30)	14 (8.4-23)	11 (6.4-18)	8.3 (4.9-14)	6.4 (3.8-11)	4.9 (2.9-8.6)
3	32 (19-46)	28 (17-41)	22 (13-34)	18 (9.8-28)	14 (7.5-22)	11 (5.8-18)	8.4 (4.4-14)
4	43 (27-56)	39 (23-51)	34 (20-45)	28 (15-38)	22 (12-31)	18 (9.1-25)	14 (7.0-20)
5	55 (39-63)	51 (35-60)	47 (30-56)	40 (24-49)	33 (19-41)	27 (15-34)	22 (12-28)
6	65	63	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 Italy.

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	8.0	5.7	4.4	3.4	2.6	1.9
1	17 (12-29)	14 (9.8-24)	10 (7.3-18)	8.0 (5.6-14)	6.2 (4.3-11)	4.7 (3.3-8.6)	3.6 (2.5-6.6)
2	27 (17-42)	22 (14-36)	18 (11-29)	14 (8.4-23)	11 (6.4-18)	8.3 (4.9-14)	6.4 (3.7-11)
3	38 (24-53)	33 (21-48)	28 (16-41)	22 (13-34)	18 (9.7-28)	14 (7.5-22)	11 (5.7-18)
4	50 (33-62)	46 (29-58)	40 (24-52)	34 (19-45)	27 (15-38)	22 (12-31)	18 (9.0-25)
5	61 (46-68)	58 (42-66)	54 (36-63)	47 (30-56)	39 (24-48)	33 (19-41)	27 (15-34)
6	69	68	66	59	53	45	38

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	7.9	5.8	4.4	3.4	2.6	1.9
1	17 (12-28)	14 (9.5-23)	10 (7.3-18)	8.0 (5.5-14)	6.1 (4.2-11)	4.7 (3.2-8.5)	3.6 (2.4-6.5)
2	26 (17-41)	22 (14-36)	17 (11-29)	14 (8.3-23)	11 (6.3-18)	8.2 (4.8-14)	6.3 (3.6-11)
3	37 (24-52)	33 (20-47)	27 (16-40)	22 (12-33)	17 (9.6-27)	14 (7.3-22)	11 (5.6-17)
4	49 (33-61)	45 (28-57)	39 (24-51)	33 (19-44)	27 (15-37)	22 (11-30)	17 (8.6-24)
5	60 (45-67)	57 (41-65)	53 (35-62)	46 (29-55)	39 (23-47)	32 (18-40)	26 (14-33)
6	67	67	65	59	52	44	37