

Malta - 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 Malta. 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	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (0.9-2.8)	0.8 (0.5-1.5)	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	2.8 (1.4-6.0)	1.5 (0.8-3.3)	0.8 (0.4-1.8)	0.6 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)
3	5.3 (2.2-10)	2.9 (1.2-5.7)	1.6 (0.6-3.1)	1.2 (0.5-2.4)	1.0 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.1)
4	9.7 (3.8-15)	5.3 (2.1-8.6)	2.9 (1.1-4.7)	2.3 (0.9-3.7)	1.8 (0.7-2.9)	1.4 (0.5-2.2)	1.1 (0.4-1.7)
5	17 (8.0-22)	9.5 (4.4-13)	5.2 (2.4-7.1)	4.1 (1.9-5.5)	3.2 (1.4-4.3)	2.5 (1.1-3.4)	1.9 (0.9-2.6)
6	28	16	9.2	7.2	5.6	4.4	3.4

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.3	0.7	0.4	0.3	0.2	0.2	0.1
1	2.6 (1.8-4.5)	1.4 (1.0-2.5)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.2-0.6)	0.3 (0.2-0.5)
2	4.8 (2.6-9.4)	2.6 (1.4-5.2)	1.4 (0.8-2.8)	1.1 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)
3	8.7 (4.0-16)	4.8 (2.2-9.0)	2.6 (1.2-5.0)	2.1 (0.9-3.9)	1.6 (0.7-3.0)	1.2 (0.6-2.4)	1.0 (0.4-1.8)
4	15 (7.0-23)	8.6 (3.8-13)	4.8 (2.1-7.5)	3.7 (1.6-5.9)	2.9 (1.3-4.6)	2.3 (1.0-3.6)	1.8 (0.8-2.8)
5	25 (14-33)	15 (8.0-19)	8.4 (4.4-11)	6.5 (3.5-8.7)	5.1 (2.7-6.8)	4.0 (2.1-5.3)	3.1 (1.6-4.2)
6	40	25	14	11	8.9	7.0	5.4

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.8	1.5	0.8	0.6	0.5	0.4	0.3
1	5.0 (3.6-7.8)	2.8 (2.0-4.4)	1.5 (1.1-2.4)	1.2 (0.8-1.9)	0.9 (0.7-1.4)	0.7 (0.5-1.1)	0.6 (0.4-0.9)
2	8.9 (5.3-16)	5.0 (3.0-9.0)	2.8 (1.6-5.0)	2.2 (1.3-3.9)	1.7 (1.0-3.1)	1.3 (0.8-2.4)	1.0 (0.6-1.8)
3	15 (8.0-26)	8.8 (4.5-15)	4.9 (2.5-8.7)	3.9 (1.9-6.8)	3.0 (1.5-5.3)	2.3 (1.2-4.2)	1.8 (0.9-3.2)
4	25 (14-37)	15 (7.8-22)	8.6 (4.3-13)	6.7 (3.4-10)	5.3 (2.6-8.1)	4.1 (2.0-6.3)	3.2 (1.6-4.9)
5	39 (26-48)	25 (16-31)	15 (9.0-19)	12 (7.0-15)	9.0 (5.5-12)	7.1 (4.3-9.3)	5.5 (3.3-7.2)
6	57	39	24	19	15	12	9.4

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.3	3.0	1.7	1.3	1.0	0.8	0.6
1	9.2 (6.9-13)	5.3 (3.9-7.3)	3.0 (2.2-4.1)	2.3 (1.7-3.2)	1.8 (1.3-2.5)	1.4 (1.0-1.9)	1.1 (0.8-1.5)
2	15 (9.9-24)	9.1 (5.8-15)	5.2 (3.2-8.5)	4.0 (2.5-6.6)	3.1 (2.0-5.2)	2.4 (1.5-4.0)	1.9 (1.2-3.1)
3	25 (15-38)	15 (8.7-24)	8.8 (4.9-14)	6.9 (3.8-11)	5.4 (3.0-9.0)	4.2 (2.3-7.0)	3.3 (1.8-5.5)
4	38 (24-51)	24 (15-34)	15 (8.5-21)	12 (6.7-17)	9.1 (5.2-13)	7.1 (4.1-10)	5.6 (3.2-8.2)
5	54 (42-62)	37 (28-45)	24 (17-30)	19 (13-24)	15 (11-19)	12 (8.2-15)	9.3 (6.4-12)
6	70	54	37	30	24	19	15

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.5	5.7	3.3	2.5	2.0	1.5	1.2
1	16 (13-19)	10 (8.1-12)	6.0 (4.7-6.9)	4.6 (3.7-5.4)	3.6 (2.9-4.2)	2.8 (2.2-3.2)	2.2 (1.7-2.5)
2	27 (19-36)	18 (12-23)	11 (7.2-14)	8.3 (5.6-11)	6.5 (4.3-8.7)	5.1 (3.4-6.8)	3.9 (2.6-5.3)
3	42 (31-54)	29 (20-40)	18 (12-27)	15 (9.6-21)	12 (7.5-17)	9.0 (5.9-13)	7.0 (4.6-10)
4	58 (47-70)	45 (35-58)	31 (23-41)	25 (18-34)	20 (15-28)	16 (11-22)	12 (8.9-18)
5	72 (68-79)	63 (57-71)	47 (42-55)	39 (35-46)	32 (28-39)	26 (22-32)	21 (18-25)
6	82	77	66	58	49	41	34

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	8.3	4.9	3.8	3.0	2.3	1.8
1	23 (17-37)	15 (11-26)	9.6 (7.0-16)	7.5 (5.4-13)	5.8 (4.2-10)	4.5 (3.3-7.8)	3.5 (2.5-6.1)
2	37 (25-54)	27 (17-42)	18 (10-29)	14 (8.2-23)	11 (6.4-19)	8.6 (4.9-15)	6.7 (3.8-12)
3	54 (37-70)	43 (27-60)	30 (18-46)	25 (14-38)	20 (11-31)	16 (8.5-25)	12 (6.6-20)
4	68 (52-79)	60 (43-75)	47 (30-64)	40 (24-55)	33 (19-47)	27 (15-39)	21 (12-32)
5	79 (67-84)	75 (60-82)	66 (48-75)	58 (40-68)	50 (33-60)	42 (26-52)	35 (21-43)
6	84	84	81	75	69	61	53

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	14	9.3	5.9	4.5	3.5	2.7	2.1
1	23 (17-38)	17 (12-28)	11 (8.1-19)	8.5 (6.2-15)	6.6 (4.8-12)	5.1 (3.7-9.1)	3.9 (2.8-7.0)
2	36 (24-53)	27 (18-43)	19 (12-32)	15 (9.3-26)	12 (7.2-21)	9.3 (5.6-16)	7.2 (4.3-13)
3	50 (34-65)	41 (26-58)	31 (18-48)	25 (14-40)	20 (11-33)	16 (8.5-26)	13 (6.6-21)
4	63 (46-74)	57 (39-69)	47 (29-61)	39 (23-53)	33 (18-45)	26 (14-37)	21 (11-30)
5	74 (60-80)	70 (54-77)	63 (44-72)	56 (37-65)	48 (30-57)	40 (24-49)	33 (19-41)
6	80	79	76	71	64	56	48

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	9.2	6.3	4.8	3.7	2.8	2.2
1	21 (15-34)	16 (12-27)	11 (8.2-20)	8.9 (6.3-16)	6.9 (4.9-12)	5.3 (3.7-9.5)	4.0 (2.8-7.3)
2	32 (21-49)	26 (17-41)	20 (12-32)	15 (9.5-25)	12 (7.3-20)	9.4 (5.6-16)	7.3 (4.3-12)
3	45 (30-60)	38 (24-54)	31 (18-46)	25 (14-38)	20 (11-31)	16 (8.5-25)	12 (6.6-20)
4	57 (40-69)	52 (34-64)	45 (28-58)	38 (22-50)	31 (18-43)	25 (14-35)	20 (11-29)
5	68 (54-75)	65 (48-73)	59 (42-68)	52 (34-62)	45 (28-54)	38 (22-46)	31 (18-39)
6	75	75	72	66	59	52	44

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	11	8.3	6.1	4.6	3.5	2.7	2.0
1	18 (13-30)	14 (10-25)	11 (7.6-19)	8.4 (5.8-15)	6.4 (4.4-12)	4.9 (3.3-8.9)	3.7 (2.5-6.8)
2	27 (18-43)	23 (15-37)	18 (11-30)	14 (8.6-24)	11 (6.6-19)	8.6 (5.0-15)	6.6 (3.8-12)
3	39 (25-54)	34 (21-48)	28 (17-42)	23 (13-35)	18 (10-28)	14 (7.7-23)	11 (5.9-18)
4	51 (34-63)	46 (29-59)	41 (25-53)	34 (19-46)	28 (15-38)	22 (12-32)	18 (9.1-25)
5	62 (47-69)	59 (42-67)	54 (37-63)	47 (30-56)	40 (24-49)	33 (19-42)	27 (15-35)
6	69	69	66	60	53	46	39