

**Malta - The probabilities of a hip fracture in women**

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 Malta. 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	12	6.1	3.1	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0	
1	18 (12-23)	9.7 (6.4-13)	5.1 (3.3-6.6)	2.6 (1.7-3.4)	1.3 (0.9-1.8)	0.7 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	
2	27 (17-39)	15 (9.0-22)	8.0 (4.7-12)	4.2 (2.4-6.3)	2.1 (1.2-3.3)	1.1 (0.6-1.7)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
3	39 (25-57)	23 (13-35)	12 (7.0-20)	6.6 (3.6-11)	3.4 (1.9-5.6)	1.7 (1.0-2.9)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
4	54 (39-72)	33 (22-49)	19 (12-29)	10 (6.3-16)	5.3 (3.2-8.5)	2.7 (1.7-4.4)	1.4 (0.9-2.3)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	
5	70 (60-83)	47 (37-61)	28 (21-38)	15 (11-22)	8.2 (6.0-12)	4.3 (3.1-6.2)	2.2 (1.6-3.2)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	
6	85	63	40	23	12	6.5	3.4	1.8	0.9	0.5	0.3	

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

**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	12	6.9	3.7	2.0	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	19 (13-23)	11 (7.2-13)	5.9 (3.9-7.3)	3.2 (2.1-4.0)	1.7 (1.1-2.1)	0.9 (0.6-1.2)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	28 (18-39)	16 (10-23)	9.2 (5.5-13)	5.0 (3.0-7.3)	2.7 (1.6-4.0)	1.5 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	40 (26-57)	24 (15-36)	14 (8.3-22)	7.8 (4.6-12)	4.3 (2.5-6.8)	2.3 (1.3-3.7)	1.2 (0.7-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	54 (41-71)	35 (25-50)	21 (14-31)	12 (7.8-18)	6.6 (4.3-10)	3.6 (2.3-5.6)	1.9 (1.2-3.0)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	70 (62-82)	48 (41-62)	30 (25-41)	18 (14-25)	9.9 (7.8-14)	5.5 (4.3-7.9)	3.0 (2.3-4.3)	1.7 (1.3-2.4)	0.9 (0.7-1.3)	0.5 (0.4-0.8)	0.3 (0.2-0.4)
6	84	64	42	26	15	8.3	4.5	2.5	1.4	0.8	0.4

**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	8.8	5.0	2.8	1.6	0.9	0.5	0.3	0.2	0.1	0.1
1	23 (16-26)	13 (9.2-16)	7.7 (5.2-9.1)	4.3 (2.9-5.2)	2.4 (1.6-2.9)	1.4 (0.9-1.6)	0.8 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	33 (22-42)	20 (13-27)	12 (7.3-16)	6.7 (4.2-9.2)	3.8 (2.3-5.2)	2.1 (1.3-2.9)	1.2 (0.7-1.7)	0.7 (0.4-1.0)	0.4 (0.3-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	45 (31-60)	29 (19-41)	17 (11-26)	10 (6.3-15)	5.8 (3.5-8.8)	3.3 (2.0-5.0)	1.9 (1.1-2.9)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
4	59 (47-74)	40 (30-55)	25 (18-36)	15 (11-22)	8.7 (6.0-13)	5.0 (3.4-7.5)	2.8 (1.9-4.3)	1.7 (1.1-2.5)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.3 (0.2-0.5)
5	73 (68-84)	54 (47-67)	36 (30-47)	22 (18-30)	13 (11-18)	7.5 (6.1-11)	4.3 (3.5-6.1)	2.5 (2.0-3.6)	1.5 (1.2-2.1)	0.8 (0.7-1.2)	0.5 (0.4-0.7)
6	85	68	48	31	19	11	6.4	3.8	2.2	1.3	0.7

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

**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	18	11	6.5	3.8	2.2	1.3	0.8	0.5	0.3	0.2	0.1
1	26 (19-31)	16 (12-19)	9.8 (6.9-12)	5.8 (4.0-7.0)	3.4 (2.4-4.1)	2.0 (1.4-2.4)	1.2 (0.8-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	37 (26-45)	24 (16-30)	15 (9.6-19)	8.8 (5.7-11)	5.2 (3.3-6.8)	3.0 (1.9-4.0)	1.8 (1.2-2.4)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
3	49 (36-62)	33 (23-44)	21 (14-29)	13 (8.6-18)	7.8 (5.1-11)	4.6 (3.0-6.7)	2.8 (1.8-4.1)	1.7 (1.1-2.5)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)
4	62 (53-75)	45 (36-58)	30 (23-41)	19 (14-27)	11 (8.3-17)	6.8 (4.9-10)	4.2 (3.0-6.1)	2.5 (1.8-3.7)	1.5 (1.1-2.3)	0.9 (0.7-1.4)	0.6 (0.4-0.8)
5	75 (70-84)	58 (52-70)	41 (35-52)	27 (22-35)	17 (14-23)	10 (8.2-14)	6.2 (5.0-8.6)	3.8 (3.1-5.3)	2.3 (1.9-3.2)	1.4 (1.1-2.0)	0.8 (0.7-1.2)
6	85	71	53	37	24	15	9.0	5.5	3.4	2.1	1.2

**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	21	14	8.5	5.3	3.2	2.0	1.3	0.8	0.5	0.3	0.2
1	33 (29-40)	22 (19-27)	14 (12-17)	8.7 (7.4-11)	5.4 (4.5-6.8)	3.3 (2.8-4.2)	2.1 (1.8-2.7)	1.3 (1.1-1.7)	0.8 (0.7-1.1)	0.5 (0.4-0.7)	0.3 (0.3-0.4)
2	47 (40-58)	33 (27-42)	22 (18-29)	14 (11-19)	8.8 (6.8-12)	5.5 (4.3-7.5)	3.5 (2.7-4.8)	2.2 (1.7-3.0)	1.4 (1.1-1.9)	0.9 (0.7-1.2)	0.6 (0.4-0.8)
3	63 (54-71)	48 (38-56)	33 (26-41)	22 (17-28)	14 (10-19)	9.0 (6.5-12)	5.8 (4.2-7.8)	3.7 (2.6-5.0)	2.3 (1.7-3.2)	1.5 (1.0-2.0)	0.9 (0.7-1.3)
4	76 (69-81)	63 (53-69)	48 (38-55)	33 (26-40)	22 (17-27)	15 (11-18)	9.4 (6.8-12)	6.1 (4.4-7.6)	3.9 (2.8-4.9)	2.4 (1.7-3.1)	1.5 (1.1-2.0)
5	85 (81-87)	77 (70-79)	63 (55-68)	48 (40-53)	34 (27-38)	23 (18-26)	15 (12-17)	9.8 (7.7-11)	6.3 (4.9-7.3)	4.0 (3.1-4.7)	2.6 (2.0-3.0)
6	89	85	77	64	48	34	24	16	10	6.6	4.2

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

**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	21	14	9.0	5.8	3.7	2.5	1.6	1.1	0.7	0.5	0.3
1	35 (28-60)	25 (19-46)	17 (13-33)	11 (8.1-23)	7.3 (5.2-15)	4.9 (3.5-10)	3.2 (2.3-6.9)	2.1 (1.5-4.6)	1.4 (1.0-3.0)	0.9 (0.7-2.0)	0.6 (0.4-1.3)
2	51 (37-75)	39 (26-63)	28 (17-49)	20 (11-36)	13 (7.4-25)	9.0 (4.9-17)	6.1 (3.3-12)	4.1 (2.2-8.0)	2.7 (1.4-5.4)	1.8 (0.9-3.6)	1.2 (0.6-2.4)
3	67 (49-83)	56 (36-74)	43 (25-62)	32 (17-49)	23 (11-36)	16 (7.4-26)	11 (4.9-18)	7.3 (3.3-13)	4.9 (2.2-8.5)	3.3 (1.4-5.7)	2.2 (0.9-3.8)
4	79 (63-87)	71 (49-82)	60 (36-73)	48 (25-61)	36 (17-48)	26 (12-36)	18 (7.9-26)	13 (5.3-18)	8.6 (3.5-13)	5.8 (2.3-8.6)	3.9 (1.5-5.8)
5	86 (75-89)	82 (64-86)	75 (52-80)	64 (39-71)	52 (27-59)	40 (19-46)	30 (13-35)	21 (9.1-25)	15 (6.1-18)	10 (4.1-12)	6.7 (2.7-8.1)
6	89	88	85	79	69	57	45	33	24	17	11

**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	16	11	7.8	5.3	3.6	2.5	1.7	1.2	0.8	0.6	0.4
1	28 (21-51)	20 (15-39)	14 (10-29)	9.9 (6.9-21)	6.9 (4.7-15)	4.9 (3.3-10)	3.4 (2.3-7.3)	2.4 (1.6-5.1)	1.6 (1.1-3.6)	1.1 (0.8-2.5)	0.8 (0.5-1.7)
2	42 (28-65)	32 (20-54)	24 (14-42)	17 (9.6-32)	12 (6.6-23)	8.8 (4.6-17)	6.2 (3.2-12)	4.4 (2.2-8.7)	3.1 (1.5-6.1)	2.1 (1.1-4.3)	1.5 (0.7-3.0)
3	57 (38-74)	47 (29-66)	37 (20-55)	28 (14-43)	20 (9.9-33)	15 (7.0-25)	11 (4.9-18)	7.7 (3.4-13)	5.4 (2.4-9.4)	3.8 (1.6-6.6)	2.6 (1.1-4.7)
4	70 (50-80)	61 (39-74)	51 (29-65)	41 (21-54)	32 (15-43)	24 (11-34)	18 (7.6-26)	13 (5.3-19)	9.2 (3.7-14)	6.5 (2.6-9.9)	4.6 (1.8-7.0)
5	79 (62-84)	74 (52-79)	66 (41-72)	56 (31-64)	46 (23-53)	36 (17-43)	28 (12-34)	21 (8.8-26)	15 (6.3-19)	11 (4.4-14)	7.7 (3.1-9.8)
6	85	82	77	70	61	51	41	32	24	18	13

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

**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	8.8	6.3	4.5	3.3	2.4	1.8	1.3	0.9	0.7	0.5
1	21 (16-40)	16 (11-31)	12 (8.2-24)	8.4 (5.9-18)	6.2 (4.3-13)	4.6 (3.2-10)	3.4 (2.3-7.5)	2.5 (1.7-5.5)	1.8 (1.2-4.1)	1.4 (0.9-3.0)	1.0 (0.7-2.2)
2	32 (21-52)	25 (16-43)	19 (11-34)	14 (8.2-26)	11 (6.1-21)	8.2 (4.5-16)	6.2 (3.3-12)	4.6 (2.4-9.0)	3.4 (1.8-6.7)	2.5 (1.3-4.9)	1.8 (0.9-3.6)
3	45 (28-63)	37 (21-54)	30 (16-45)	23 (12-36)	18 (8.8-29)	14 (6.6-23)	10 (4.9-17)	7.9 (3.6-13)	5.9 (2.7-10)	4.4 (2.0-7.4)	3.2 (1.4-5.5)
4	58 (38-70)	50 (30-63)	42 (23-55)	34 (17-45)	28 (13-37)	22 (9.8-30)	17 (7.4-24)	13 (5.5-19)	9.8 (4.1-14)	7.4 (3.0-11)	5.5 (2.2-8.1)
5	70 (49-75)	63 (40-69)	56 (32-62)	47 (25-54)	40 (19-46)	33 (15-38)	26 (11-31)	20 (8.7-25)	16 (6.5-19)	12 (4.8-15)	9.0 (3.6-11)
6	78	74	68	61	53	46	38	31	24	19	14

**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	8.5	6.4	4.9	3.7	2.9	2.3	1.7	1.4	1.1	0.8	0.6
1	15 (11-30)	12 (8.3-24)	8.9 (6.3-19)	6.9 (4.8-15)	5.4 (3.8-12)	4.3 (3.0-9.3)	3.3 (2.3-7.3)	2.6 (1.8-5.7)	2.0 (1.4-4.5)	1.6 (1.1-3.5)	1.2 (0.8-2.7)
2	23 (15-40)	19 (11-33)	15 (8.7-27)	12 (6.7-21)	9.4 (5.3-17)	7.5 (4.2-14)	5.9 (3.2-11)	4.6 (2.5-8.9)	3.6 (2.0-7.0)	2.8 (1.5-5.5)	2.2 (1.2-4.3)
3	34 (20-50)	28 (15-43)	23 (12-36)	19 (9.3-30)	15 (7.4-25)	12 (5.9-20)	9.9 (4.6-16)	7.9 (3.6-13)	6.2 (2.8-10)	4.9 (2.2-8.3)	3.8 (1.7-6.5)
4	46 (27-59)	40 (22-52)	34 (17-45)	28 (14-38)	23 (11-32)	19 (8.7-27)	16 (6.9-22)	13 (5.4-18)	10 (4.3-14)	8.1 (3.3-11)	6.4 (2.6-9.1)
5	59 (36-65)	52 (30-59)	46 (24-52)	39 (19-45)	34 (16-39)	29 (13-34)	24 (10-28)	20 (8.2-23)	16 (6.5-19)	13 (5.2-16)	10 (4.1-13)
6	69	64	58	52	46	40	34	29	24	20	16