Malta - 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 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/m²)						
	15	20	25	30	35	40	45
0	0.4	0.2	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	1.7 (0.9-3.6)	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	3.2 (1.3-6.3)	1.8 (0.7-3.6)	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 (0.1-0.7)
4	5.8 (2.3-9.5)	3.3 (1.3-5.4)	1.8 (0.7-3.0)	1.4 (0.6-2.4)	1.1 (0.4-1.8)	0.9 (0.3-1.4)	0.7 (0.3-1.1)
5	10 (4.7-14)	5.9 (2.7-7.9)	3.3 (1.5-4.5)	2.6 (1.2-3.5)	2.0 (0.9-2.7)	1.6 (0.7-2.1)	1.2 (0.5-1.6)
6	17	10	5.8	4.6	3.5	2.8	2.1

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.8	0.5	0.3	0.2	0.2	0.1	0.1
1	1.5 (1.1-2.7)	0.9 (0.6-1.5)	0.5 (0.3-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)
2	2.8 (1.5-5.4)	1.6 (0.9-3.2)	0.9 (0.5-1.8)	0.7 (0.4-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	5.1 (2.3-9.4)	3.0 (1.3-5.5)	1.7 (0.8-3.1)	1.3 (0.6-2.4)	1.0 (0.5-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.1)
4	8.8 (4.1-14)	5.2 (2.4-8.3)	3.0 (1.3-4.8)	2.3 (1.0-3.7)	1.8 (0.8-2.9)	1.4 (0.6-2.2)	1.1 (0.5-1.7)
5	15 (7.9-19)	9.0 (4.7-12)	5.2 (2.7-6.9)	4.1 (2.1-5.4)	3.2 (1.6-4.2)	2.5 (1.3-3.3)	1.9 (1.0-2.5)
6	24	15	9.0	7.0	5.5	4.3	3.3

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.5	0.9	0.5	0.4	0.3	0.2	0.2
1	2.8 (2.0-4.4)	1.7 (1.2-2.6)	0.9 (0.7-1.5)	0.7 (0.5-1.2)	0.6 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
2	4.8 (2.8-8.3)	2.9 (1.7-5.2)	1.7 (1.0-3.1)	1.3 (0.8-2.4)	1.0 (0.6-1.8)	0.8 (0.5-1.4)	0.6 (0.4-1.1)
3	8.2 (4.3-14)	5.1 (2.6-8.9)	3.0 (1.5-5.3)	2.3 (1.2-4.1)	1.8 (0.9-3.2)	1.4 (0.7-2.5)	1.1 (0.5-1.9)
4	14 (7.4-21)	8.7 (4.5-13)	5.2 (2.7-8.0)	4.0 (2.1-6.3)	3.1 (1.6-4.9)	2.4 (1.2-3.8)	1.9 (1.0-2.9)
5	21 (13-26)	14 (8.7-18)	8.8 (5.3-11)	6.9 (4.1-8.8)	5.3 (3.2-6.9)	4.1 (2.4-5.3)	3.2 (1.9-4.1)
6	32	23	15	11	8.9	6.9	5.4

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.7	1.7	1.0	0.8	0.6	0.5	0.4
1	4.6 (3.5-6.6)	2.9 (2.2-4.2)	1.8 (1.3-2.5)	1.3 (1.0-1.9)	1.0 (0.8-1.5)	0.8 (0.6-1.1)	0.6 (0.5-0.9)
2	7.5 (4.7-11)	4.9 (3.1-7.7)	3.0 (1.9-4.9)	2.3 (1.4-3.8)	1.8 (1.1-2.9)	1.4 (0.9-2.2)	1.1 (0.7-1.7)
3	12 (7.1-19)	8.1 (4.6-13)	5.1 (2.9-8.4)	3.9 (2.2-6.5)	3.0 (1.7-5.0)	2.3 (1.3-3.9)	1.8 (1.0-3.0)
4	18 (12-27)	13 (8.0-19)	8.4 (5.0-12)	6.5 (3.9-9.8)	5.1 (3.0-7.6)	3.9 (2.3-5.9)	3.0 (1.8-4.5)
5	27 (19-33)	20 (14-24)	14 (9.4-17)	11 (7.3-13)	8.3 (5.6-10)	6.4 (4.3-8.0)	4.9 (3.3-6.2)
6	38	30	21	17	13	10	8.0

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.3	2.9	1.8	1.4	1.1	0.8	0.6
1	7.2 (5.3-8.8)	5.1 (3.8-6.1)	3.3 (2.5-3.9)	2.5 (1.9-3.0)	1.9 (1.5-2.3)	1.5 (1.1-1.8)	1.1 (0.9-1.4)
2	12 (7.9-17)	8.7 (5.7-12)	5.8 (3.8-8.1)	4.5 (2.9-6.3)	3.4 (2.3-4.9)	2.6 (1.7-3.7)	2.0 (1.3-2.9)
3	19 (12-28)	14 (9.4-20)	10 (6.6-14)	7.7 (5.1-11)	6.0 (3.9-8.7)	4.6 (3.0-6.7)	3.5 (2.3-5.2)
4	28 (20-38)	23 (16-32)	17 (12-24)	13 (9.0-19)	10 (6.9-15)	7.9 (5.3-12)	6.1 (4.0-8.9)
5	40 (34-48)	34 (29-42)	27 (22-33)	21 (18-27)	17 (14-21)	13 (11-17)	10 (8.3-13)
6	52	47	40	33	26	21	17

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.6	4.0	2.7	2.0	1.6	1.2	0.9
1	10 (6.8-17)	7.4 (5.1-13)	5.1 (3.5-8.9)	3.9 (2.7-6.9)	3.0 (2.1-5.3)	2.3 (1.6-4.1)	1.8 (1.2-3.1)
2	17 (10-28)	13 (7.6-22)	9.4 (5.3-16)	7.3 (4.1-12)	5.6 (3.1-9.4)	4.3 (2.4-7.3)	3.3 (1.8-5.6)
3	27 (15-41)	22 (12-34)	16 (9.0-25)	13 (6.9-20)	10 (5.3-16)	7.7 (4.0-12)	5.9 (3.1-9.6)
4	39 (24-52)	33 (19-46)	27 (15-39)	21 (12-32)	17 (9.1-26)	13 (6.9-20)	10 (5.3-16)
5	52 (36-61)	47 (31-57)	40 (25-50)	33 (20-42)	27 (16-35)	22 (12-28)	17 (9.3-23)
6	64	61	55	48	40	33	27

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.6	4.2	3.0	2.3	1.7	1.3	1.0
1	9.8 (6.7-17)	7.5 (5.2-14)	5.5 (3.8-9.9)	4.2 (2.9-7.6)	3.2 (2.2-5.8)	2.4 (1.7-4.5)	1.8 (1.3-3.4)
2	16 (9.8-27)	13 (7.7-22)	9.6 (5.7-17)	7.4 (4.4-13)	5.7 (3.3-10)	4.4 (2.5-7.7)	3.3 (1.9-5.9)
3	25 (14-37)	21 (12-31)	16 (8.7-25)	13 (6.7-20)	9.8 (5.1-16)	7.5 (3.9-12)	5.8 (3.0-9.6)
4	36 (21-47)	31 (17-42)	25 (14-35)	20 (11-29)	16 (8.1-23)	12 (6.2-18)	9.7 (4.7-14)
5	48 (32-57)	43 (27-52)	37 (22-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.1-20)
6	60	56	51	43	36	30	24

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	5.0	3.9	3.0	2.2	1.7	1.3	1.0
1	8.8 (5.9-16)	7.0 (4.7-13)	5.4 (3.7-9.8)	4.1 (2.8-7.5)	3.1 (2.1-5.7)	2.4 (1.6-4.4)	1.8 (1.2-3.3)
2	15 (8.8-25)	12 (7.1-21)	9.3 (5.5-16)	7.2 (4.2-13)	5.5 (3.2-9.8)	4.2 (2.4-7.5)	3.2 (1.8-5.7)
3	23 (13-34)	19 (11-29)	15 (8.4-24)	12 (6.4-19)	9.3 (4.9-15)	7.1 (3.7-12)	5.4 (2.8-8.9)
4	33 (19-44)	28 (16-39)	24 (13-33)	19 (9.7-27)	15 (7.4-22)	12 (5.7-17)	9.0 (4.3-13)
5	44 (29-53)	40 (25-49)	35 (20-43)	29 (16-36)	23 (12-30)	18 (9.6-24)	14 (7.4-19)
6	55	52	47	40	34	27	22

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	4.5	3.6	2.8	2.1	1.6	1.2	0.9
1	7.9 (5.3-14)	6.4 (4.3-12)	5.1 (3.4-9.2)	3.8 (2.5-7.1)	2.9 (1.9-5.4)	2.2 (1.4-4.1)	1.6 (1.1-3.1)
2	13 (7.7-23)	11 (6.4-19)	8.7 (5.1-15)	6.7 (3.8-12)	5.1 (2.9-9.2)	3.8 (2.2-7.0)	2.9 (1.6-5.3)
3	20 (11-31)	17 (9.4-27)	14 (7.7-22)	11 (5.8-18)	8.5 (4.4-14)	6.5 (3.3-11)	4.9 (2.5-8.1)
4	30 (17-40)	26 (14-36)	22 (11-31)	17 (8.8-25)	14 (6.7-20)	11 (5.1-16)	8.1 (3.8-12)
5	40 (26-49)	37 (22-45)	32 (19-40)	26 (15-34)	21 (11-27)	17 (8.7-22)	13 (6.6-17)
6	51	48	44	37	31	25	20