

**Morocco - 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/m<sup>2</sup>), the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Morocco. 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 <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.6 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.1 (0.6-2.4)	0.6 (0.3-1.3)	0.3 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
3	2.1 (0.9-4.2)	1.2 (0.5-2.3)	0.6 (0.3-1.2)	0.5 (0.2-1.0)	0.4 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
4	3.9 (1.5-6.3)	2.1 (0.8-3.5)	1.1 (0.4-1.9)	0.9 (0.3-1.5)	0.7 (0.3-1.1)	0.5 (0.2-0.9)	0.4 (0.2-0.7)
5	6.9 (3.2-9.3)	3.8 (1.7-5.2)	2.1 (0.9-2.8)	1.6 (0.7-2.2)	1.3 (0.6-1.7)	1.0 (0.4-1.3)	0.8 (0.3-1.0)
6	12	6.7	3.7	2.9	2.2	1.7	1.4

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	2.0 (1.1-3.9)	1.1 (0.6-2.1)	0.6 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)
3	3.6 (1.6-6.8)	2.0 (0.9-3.8)	1.1 (0.5-2.1)	0.8 (0.4-1.6)	0.7 (0.3-1.2)	0.5 (0.2-1.0)	0.4 (0.2-0.8)
4	6.4 (2.9-10)	3.6 (1.6-5.7)	2.0 (0.9-3.1)	1.5 (0.7-2.4)	1.2 (0.5-1.9)	0.9 (0.4-1.5)	0.7 (0.3-1.1)
5	11 (5.9-15)	6.3 (3.3-8.4)	3.5 (1.8-4.7)	2.7 (1.4-3.6)	2.1 (1.1-2.8)	1.6 (0.9-2.2)	1.3 (0.7-1.7)
6	19	11	6.1	4.7	3.7	2.9	2.2

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.1	0.6	0.3	0.3	0.2	0.2	0.1
1	2.0 (1.4-3.1)	1.1 (0.8-1.7)	0.6 (0.4-1.0)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	3.5 (2.1-6.3)	2.0 (1.2-3.6)	1.1 (0.6-2.0)	0.9 (0.5-1.6)	0.7 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)
3	6.2 (3.1-11)	3.5 (1.8-6.3)	2.0 (1.0-3.5)	1.5 (0.8-2.7)	1.2 (0.6-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.3)
4	11 (5.5-16)	6.1 (3.1-9.4)	3.5 (1.7-5.3)	2.7 (1.3-4.1)	2.1 (1.0-3.2)	1.6 (0.8-2.5)	1.3 (0.6-1.9)
5	17 (11-22)	10 (6.3-13)	6.0 (3.6-7.8)	4.7 (2.8-6.1)	3.6 (2.2-4.7)	2.8 (1.7-3.7)	2.2 (1.3-2.9)
6	28	17	10	7.9	6.2	4.8	3.7

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.9	1.1	0.6	0.5	0.4	0.3	0.2
1	3.3 (2.5-4.7)	1.9 (1.5-2.7)	1.1 (0.8-1.5)	0.8 (0.6-1.2)	0.7 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.6)
2	5.7 (3.6-9.1)	3.4 (2.1-5.5)	1.9 (1.2-3.2)	1.5 (0.9-2.5)	1.2 (0.7-1.9)	0.9 (0.6-1.5)	0.7 (0.4-1.1)
3	9.5 (5.4-15)	5.7 (3.2-9.5)	3.3 (1.8-5.6)	2.6 (1.4-4.3)	2.0 (1.1-3.4)	1.5 (0.9-2.6)	1.2 (0.7-2.0)
4	15 (9.3-22)	9.6 (5.6-14)	5.6 (3.2-8.4)	4.4 (2.5-6.5)	3.4 (1.9-5.1)	2.6 (1.5-3.9)	2.0 (1.2-3.1)
5	24 (17-29)	16 (11-19)	9.4 (6.5-12)	7.3 (5.0-9.3)	5.7 (3.9-7.3)	4.4 (3.0-5.7)	3.4 (2.3-4.4)
6	36	24	15	12	9.4	7.4	5.7

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.9	1.8	1.0	0.8	0.6	0.5	0.4
1	5.1 (3.9-6.1)	3.2 (2.5-3.8)	1.9 (1.5-2.2)	1.5 (1.1-1.7)	1.1 (0.9-1.3)	0.9 (0.7-1.0)	0.7 (0.5-0.8)
2	8.9 (5.9-12)	5.7 (3.8-7.8)	3.4 (2.3-4.7)	2.6 (1.7-3.6)	2.0 (1.3-2.8)	1.6 (1.0-2.2)	1.2 (0.8-1.7)
3	15 (10-21)	9.9 (6.5-14)	6.1 (4.0-9.1)	4.7 (3.1-7.1)	3.7 (2.4-5.5)	2.8 (1.8-4.2)	2.2 (1.4-3.3)
4	24 (17-33)	17 (12-24)	11 (7.6-15)	8.4 (5.9-12)	6.5 (4.6-9.5)	5.0 (3.5-7.4)	3.9 (2.7-5.7)
5	36 (31-44)	27 (23-33)	18 (15-22)	14 (12-18)	11 (9.4-14)	8.8 (7.3-11)	6.8 (5.7-8.6)
6	51	41	30	24	19	15	12

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.9	2.6	1.6	1.2	0.9	0.7	0.6
1	7.3 (5.0-13)	5.0 (3.4-8.7)	3.1 (2.2-5.5)	2.4 (1.7-4.2)	1.9 (1.3-3.3)	1.4 (1.0-2.5)	1.1 (0.8-1.9)
2	13 (7.4-21)	9.1 (5.2-15)	6.0 (3.4-10)	4.6 (2.6-7.9)	3.6 (2.0-6.1)	2.7 (1.5-4.7)	2.1 (1.2-3.6)
3	21 (12-33)	16 (8.8-25)	11 (5.9-17)	8.5 (4.5-14)	6.6 (3.5-11)	5.1 (2.7-8.3)	3.9 (2.1-6.4)
4	33 (19-45)	26 (15-38)	19 (10-28)	15 (8.1-23)	12 (6.2-18)	9.1 (4.8-14)	7.0 (3.7-11)
5	46 (30-56)	39 (24-49)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.5-20)	12 (6.6-16)
6	59	54	46	39	32	26	20

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.0	3.6	2.4	1.8	1.4	1.1	0.8
1	8.8 (6.0-16)	6.6 (4.6-12)	4.5 (3.2-8.0)	3.4 (2.4-6.2)	2.6 (1.8-4.8)	2.0 (1.4-3.7)	1.5 (1.1-2.8)
2	15 (8.9-25)	11 (6.8-19)	8.1 (4.8-14)	6.2 (3.7-11)	4.8 (2.8-8.3)	3.7 (2.1-6.4)	2.8 (1.6-4.9)
3	23 (13-34)	19 (10-29)	14 (7.3-23)	11 (5.6-18)	8.4 (4.3-14)	6.5 (3.3-11)	5.0 (2.5-8.4)
4	33 (19-45)	28 (16-39)	23 (12-32)	18 (9.4-26)	14 (7.2-20)	11 (5.5-16)	8.5 (4.2-13)
5	45 (29-54)	40 (25-49)	34 (20-42)	28 (16-35)	22 (12-29)	18 (9.4-23)	14 (7.2-18)
6	57	53	48	41	34	27	22

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.8	4.6	3.3	2.5	1.9	1.5	1.1
1	10 (6.8-18)	8.1 (5.5-15)	6.1 (4.2-11)	4.6 (3.2-8.4)	3.5 (2.4-6.5)	2.7 (1.8-4.9)	2.0 (1.4-3.8)
2	16 (9.7-28)	14 (8.2-23)	11 (6.3-18)	8.1 (4.8-14)	6.3 (3.6-11)	4.8 (2.8-8.5)	3.6 (2.1-6.5)
3	25 (14-37)	21 (12-32)	17 (9.5-27)	14 (7.3-22)	11 (5.6-17)	8.1 (4.3-13)	6.2 (3.2-10)
4	35 (20-47)	31 (17-42)	27 (15-37)	21 (11-30)	17 (8.6-24)	13 (6.6-19)	10 (5.0-15)
5	47 (31-56)	43 (27-52)	38 (23-47)	32 (18-40)	26 (14-33)	21 (11-27)	16 (8.5-22)
6	58	55	51	44	37	30	25

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.5	5.4	4.2	3.2	2.4	1.8	1.4
1	11 (7.5-19)	9.3 (6.2-17)	7.5 (5.1-13)	5.7 (3.8-10)	4.3 (2.9-8.0)	3.3 (2.2-6.1)	2.5 (1.6-4.6)
2	18 (11-30)	15 (9.0-26)	13 (7.5-22)	9.7 (5.7-17)	7.5 (4.3-13)	5.7 (3.2-10)	4.3 (2.4-7.9)
3	26 (15-39)	23 (13-35)	20 (11-30)	16 (8.5-25)	12 (6.4-20)	9.5 (4.9-15)	7.3 (3.7-12)
4	37 (22-49)	33 (19-45)	29 (16-40)	24 (13-33)	19 (9.7-27)	15 (7.4-22)	12 (5.6-17)
5	48 (32-57)	45 (29-54)	41 (25-50)	34 (20-43)	28 (16-36)	23 (12-29)	18 (9.5-24)
6	59	56	53	46	39	33	27