

**Kuwait - 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/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 Kuwait. 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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.8 (0.5-1.6)	0.4 (0.3-0.9)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.6 (0.8-3.3)	0.9 (0.4-1.8)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)
3	2.9 (1.2-5.8)	1.6 (0.7-3.2)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	5.3 (2.1-8.6)	3.0 (1.2-4.9)	1.6 (0.6-2.7)	1.3 (0.5-2.1)	1.0 (0.4-1.6)	0.8 (0.3-1.3)	0.6 (0.2-1.0)
5	9.4 (4.3-12)	5.3 (2.4-7.2)	3.0 (1.3-4.0)	2.3 (1.0-3.1)	1.8 (0.8-2.4)	1.4 (0.6-1.9)	1.1 (0.5-1.5)
6	16	9.3	5.2	4.1	3.2	2.5	1.9

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.4 (1.0-2.5)	0.8 (0.5-1.4)	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	2.6 (1.4-5.1)	1.5 (0.8-2.9)	0.8 (0.4-1.6)	0.6 (0.3-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	4.8 (2.2-8.8)	2.7 (1.2-5.1)	1.5 (0.7-2.9)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)
4	8.3 (3.8-13)	4.8 (2.2-7.7)	2.7 (1.2-4.3)	2.1 (0.9-3.4)	1.6 (0.7-2.6)	1.3 (0.6-2.0)	1.0 (0.4-1.6)
5	14 (7.5-18)	8.4 (4.4-11)	4.8 (2.5-6.4)	3.7 (1.9-5.0)	2.9 (1.5-3.9)	2.3 (1.2-3.0)	1.7 (0.9-2.3)
6	23	14	8.3	6.5	5.0	3.9	3.0

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.3	0.7	0.4	0.3	0.3	0.2	0.2
1	2.3 (1.7-3.7)	1.4 (1.0-2.1)	0.8 (0.5-1.2)	0.6 (0.4-0.9)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	4.1 (2.4-7.2)	2.4 (1.4-4.3)	1.4 (0.8-2.5)	1.1 (0.6-1.9)	0.8 (0.5-1.5)	0.6 (0.4-1.2)	0.5 (0.3-0.9)
3	7.1 (3.7-12)	4.3 (2.2-7.5)	2.5 (1.2-4.4)	1.9 (1.0-3.4)	1.5 (0.7-2.6)	1.1 (0.6-2.0)	0.9 (0.4-1.6)
4	12 (6.4-18)	7.3 (3.8-11)	4.3 (2.2-6.6)	3.3 (1.7-5.1)	2.6 (1.3-4.0)	2.0 (1.0-3.1)	1.5 (0.8-2.4)
5	19 (12-24)	12 (7.4-16)	7.3 (4.4-9.4)	5.7 (3.4-7.4)	4.4 (2.6-5.7)	3.4 (2.0-4.5)	2.7 (1.6-3.5)
6	30	20	12	9.6	7.5	5.8	4.5

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.0	1.2	0.7	0.5	0.4	0.3	0.2
1	3.4 (2.6-4.8)	2.1 (1.6-2.9)	1.2 (0.9-1.7)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.4 (0.3-0.6)
2	5.6 (3.5-8.8)	3.5 (2.2-5.6)	2.1 (1.3-3.4)	1.6 (1.0-2.6)	1.2 (0.8-2.0)	1.0 (0.6-1.6)	0.7 (0.5-1.2)
3	9.3 (5.3-15)	5.9 (3.3-9.7)	3.6 (2.0-5.9)	2.8 (1.5-4.6)	2.1 (1.2-3.6)	1.6 (0.9-2.8)	1.3 (0.7-2.1)
4	15 (9.2-22)	9.7 (5.8-14)	6.0 (3.5-8.9)	4.6 (2.7-6.9)	3.6 (2.1-5.4)	2.8 (1.6-4.2)	2.1 (1.2-3.2)
5	23 (16-27)	16 (11-19)	9.9 (6.8-12)	7.7 (5.2-9.7)	6.0 (4.1-7.5)	4.6 (3.1-5.8)	3.6 (2.4-4.5)
6	33	24	16	12	9.7	7.6	5.9

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.7	1.7	1.1	0.8	0.6	0.5	0.4
1	4.7 (3.5-5.6)	3.1 (2.4-3.7)	1.9 (1.5-2.3)	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	8.0 (5.3-12)	5.4 (3.6-7.6)	3.4 (2.3-4.7)	2.6 (1.7-3.7)	2.0 (1.3-2.8)	1.6 (1.0-2.2)	1.2 (0.8-1.7)
3	13 (8.6-19)	9.3 (6.2-13)	6.1 (4.0-8.9)	4.7 (3.0-6.9)	3.6 (2.3-5.3)	2.8 (1.8-4.1)	2.1 (1.4-3.2)
4	21 (14-29)	16 (11-22)	10 (7.3-15)	8.1 (5.6-12)	6.3 (4.3-9.2)	4.9 (3.3-7.1)	3.7 (2.5-5.5)
5	32 (27-40)	25 (21-31)	18 (15-22)	14 (11-17)	11 (8.9-14)	8.3 (6.9-11)	6.4 (5.3-8.3)
6	45	37	28	23	18	14	11

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.5	2.5	1.6	1.2	0.9	0.7	0.5
1	6.5 (4.4-12)	4.7 (3.2-8.2)	3.1 (2.2-5.4)	2.4 (1.6-4.2)	1.8 (1.3-3.2)	1.4 (1.0-2.5)	1.1 (0.7-1.9)
2	11 (6.5-19)	8.5 (4.8-14)	5.8 (3.3-9.7)	4.5 (2.5-7.5)	3.4 (1.9-5.8)	2.6 (1.5-4.4)	2.0 (1.1-3.4)
3	19 (9.9-30)	15 (7.8-23)	10 (5.7-17)	8.1 (4.4-13)	6.3 (3.3-10)	4.8 (2.5-7.8)	3.7 (1.9-6.0)
4	29 (16-41)	24 (13-35)	18 (9.8-27)	14 (7.5-21)	11 (5.8-17)	8.5 (4.4-13)	6.6 (3.4-10)
5	41 (26-51)	36 (22-45)	29 (17-37)	23 (13-30)	19 (10-24)	15 (7.8-19)	11 (6.0-15)
6	54	50	43	36	29	24	19

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.5	3.4	2.4	1.8	1.4	1.0	0.8
1	8.0 (5.4-14)	6.2 (4.2-11)	4.4 (3.1-8.0)	3.4 (2.3-6.1)	2.6 (1.8-4.7)	2.0 (1.3-3.6)	1.5 (1.0-2.7)
2	13 (7.9-23)	11 (6.3-18)	7.9 (4.7-13)	6.1 (3.5-10)	4.6 (2.7-8.1)	3.5 (2.0-6.2)	2.7 (1.5-4.8)
3	21 (12-32)	17 (9.6-27)	13 (7.1-21)	10 (5.4-17)	8.0 (4.2-13)	6.2 (3.2-10)	4.7 (2.4-7.9)
4	30 (17-41)	26 (14-36)	21 (11-30)	17 (8.8-24)	13 (6.7-19)	10 (5.1-15)	7.9 (3.9-12)
5	42 (26-51)	37 (23-46)	32 (19-40)	26 (15-33)	21 (11-27)	17 (8.7-22)	13 (6.6-17)
6	54	50	45	38	31	25	20

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.8	4.7	3.5	2.6	2.0	1.5	1.1
1	10 (6.7-18)	8.2 (5.5-15)	6.3 (4.3-11)	4.8 (3.3-8.8)	3.7 (2.5-6.8)	2.8 (1.9-5.1)	2.1 (1.4-3.9)
2	16 (9.5-27)	14 (8.0-23)	11 (6.5-19)	8.4 (4.9-15)	6.4 (3.7-11)	4.9 (2.8-8.8)	3.7 (2.1-6.7)
3	24 (14-37)	21 (12-32)	18 (9.8-27)	14 (7.5-22)	11 (5.7-17)	8.3 (4.3-13)	6.3 (3.2-10)
4	34 (20-46)	31 (17-42)	27 (15-37)	22 (11-30)	17 (8.6-24)	13 (6.5-19)	10 (5.0-15)
5	46 (30-55)	42 (27-51)	38 (23-47)	32 (18-40)	26 (14-33)	21 (11-27)	16 (8.4-22)
6	57	54	50	43	36	30	24

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	7.3	6.1	4.8	3.7	2.8	2.1	1.6
1	12 (8.3-21)	10 (7.0-18)	8.5 (5.8-15)	6.5 (4.4-12)	5.0 (3.3-9.1)	3.8 (2.5-7.0)	2.8 (1.9-5.3)
2	19 (12-32)	17 (10-28)	14 (8.4-24)	11 (6.4-19)	8.5 (4.8-15)	6.5 (3.6-12)	4.9 (2.7-9.0)
3	28 (17-42)	25 (14-38)	22 (12-33)	17 (9.5-27)	14 (7.2-22)	11 (5.5-17)	8.2 (4.1-13)
4	39 (24-51)	36 (21-48)	32 (18-43)	26 (14-36)	21 (11-30)	17 (8.3-24)	13 (6.3-19)
5	50 (35-59)	47 (31-56)	43 (28-52)	37 (22-45)	30 (18-39)	25 (14-32)	20 (11-26)
6	60	58	55	49	42	35	29