

**Kuwait - 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 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	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.3 (0.8-2.5)	0.7 (0.4-1.3)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
2	2.5 (1.2-5.2)	1.3 (0.7-2.9)	0.7 (0.4-1.5)	0.6 (0.3-1.2)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.6)
3	4.6 (1.9-9.1)	2.5 (1.0-5.0)	1.4 (0.6-2.7)	1.1 (0.4-2.1)	0.8 (0.3-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)
4	8.4 (3.3-14)	4.7 (1.8-7.6)	2.5 (1.0-4.1)	2.0 (0.8-3.2)	1.5 (0.6-2.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)
5	15 (6.9-20)	8.3 (3.8-11)	4.6 (2.1-6.2)	3.6 (1.6-4.8)	2.8 (1.3-3.8)	2.2 (1.0-2.9)	1.7 (0.8-2.3)
6	25	14	8.0	6.3	4.9	3.8	3.0

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.2	0.6	0.3	0.3	0.2	0.2	0.1
1	2.3 (1.5-4.0)	1.2 (0.8-2.2)	0.7 (0.5-1.2)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.6)	0.2 (0.2-0.4)
2	4.2 (2.3-8.2)	2.3 (1.3-4.6)	1.3 (0.7-2.5)	1.0 (0.5-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.3-0.9)
3	7.6 (3.5-14)	4.3 (1.9-8.0)	2.3 (1.0-4.4)	1.8 (0.8-3.4)	1.4 (0.6-2.7)	1.1 (0.5-2.1)	0.9 (0.4-1.6)
4	13 (6.1-21)	7.6 (3.4-12)	4.2 (1.8-6.6)	3.3 (1.4-5.2)	2.5 (1.1-4.0)	2.0 (0.9-3.2)	1.5 (0.7-2.5)
5	22 (12-29)	13 (7.0-17)	7.4 (3.9-9.8)	5.8 (3.0-7.7)	4.5 (2.4-6.0)	3.5 (1.8-4.7)	2.7 (1.4-3.7)
6	36	22	13	10	7.8	6.1	4.8

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.1	1.2	0.6	0.5	0.4	0.3	0.2
1	3.9 (2.8-6.0)	2.1 (1.5-3.4)	1.2 (0.8-1.8)	0.9 (0.7-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.9)	0.4 (0.3-0.7)
2	6.9 (4.0-12)	3.9 (2.3-7.0)	2.1 (1.2-3.9)	1.7 (1.0-3.0)	1.3 (0.8-2.4)	1.0 (0.6-1.8)	0.8 (0.5-1.4)
3	12 (6.1-20)	6.8 (3.4-12)	3.8 (1.9-6.8)	3.0 (1.5-5.3)	2.3 (1.1-4.1)	1.8 (0.9-3.2)	1.4 (0.7-2.5)
4	20 (11-29)	12 (6.0-18)	6.7 (3.3-10)	5.2 (2.6-8.0)	4.1 (2.0-6.2)	3.2 (1.6-4.9)	2.5 (1.2-3.8)
5	32 (20-39)	19 (12-25)	11 (6.9-15)	8.9 (5.4-12)	7.0 (4.2-9.1)	5.5 (3.3-7.1)	4.3 (2.6-5.6)
6	47	31	19	15	12	9.3	7.3

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.4	1.9	1.1	0.8	0.6	0.5	0.4
1	5.8 (4.4-8.2)	3.4 (2.5-4.7)	1.9 (1.4-2.6)	1.5 (1.1-2.0)	1.1 (0.8-1.6)	0.9 (0.7-1.2)	0.7 (0.5-1.0)
2	9.9 (6.3-16)	5.8 (3.7-9.5)	3.3 (2.1-5.5)	2.6 (1.6-4.2)	2.0 (1.2-3.3)	1.5 (1.0-2.6)	1.2 (0.7-2.0)
3	16 (9.4-26)	9.8 (5.5-16)	5.7 (3.1-9.4)	4.4 (2.4-7.4)	3.4 (1.9-5.8)	2.7 (1.5-4.5)	2.1 (1.1-3.5)
4	26 (16-36)	16 (9.6-23)	9.6 (5.5-14)	7.5 (4.3-11)	5.8 (3.3-8.6)	4.6 (2.6-6.8)	3.5 (2.0-5.3)
5	39 (29-46)	26 (18-32)	16 (11-20)	12 (8.7-16)	9.8 (6.8-12)	7.6 (5.3-9.7)	6.0 (4.1-7.6)
6	54	39	25	20	16	13	9.9

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.0	3.0	1.7	1.3	1.0	0.8	0.6
1	8.8 (6.9-10)	5.4 (4.2-6.3)	3.1 (2.5-3.6)	2.4 (1.9-2.8)	1.9 (1.5-2.2)	1.4 (1.1-1.7)	1.1 (0.9-1.3)
2	15 (10-20)	9.5 (6.4-13)	5.6 (3.8-7.6)	4.4 (2.9-5.9)	3.4 (2.3-4.6)	2.6 (1.7-3.6)	2.0 (1.3-2.8)
3	25 (17-34)	16 (11-24)	10 (6.5-15)	7.8 (5.1-12)	6.1 (3.9-9.1)	4.7 (3.1-7.1)	3.7 (2.4-5.5)
4	38 (29-50)	27 (20-37)	17 (13-24)	14 (9.9-20)	11 (7.7-15)	8.4 (6.0-12)	6.5 (4.6-9.5)
5	54 (48-63)	42 (37-50)	29 (25-35)	23 (20-28)	18 (16-22)	15 (12-18)	11 (9.6-14)
6	69	59	45	37	30	24	19

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	7.0	4.4	2.7	2.0	1.6	1.2	0.9
1	13 (9.1-22)	8.5 (6.1-14)	5.2 (3.8-9.0)	4.0 (2.9-7.0)	3.1 (2.2-5.4)	2.4 (1.7-4.2)	1.9 (1.3-3.2)
2	22 (13-35)	15 (9.1-25)	9.9 (5.7-17)	7.7 (4.4-13)	6.0 (3.4-10)	4.6 (2.6-8.0)	3.6 (2.0-6.2)
3	35 (21-51)	26 (15-39)	18 (9.8-28)	14 (7.6-22)	11 (5.9-18)	8.6 (4.6-14)	6.7 (3.5-11)
4	50 (33-64)	41 (25-56)	30 (17-43)	24 (13-35)	19 (10-29)	15 (8.1-23)	12 (6.3-18)
5	64 (48-73)	57 (40-67)	46 (29-56)	39 (24-48)	32 (19-40)	26 (15-33)	21 (12-26)
6	75	72	64	56	48	41	33

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	9.3	6.4	4.1	3.2	2.4	1.9	1.4
1	16 (12-27)	12 (8.4-20)	7.7 (5.6-14)	6.0 (4.3-11)	4.6 (3.3-8.2)	3.6 (2.5-6.4)	2.7 (1.9-4.9)
2	26 (17-41)	20 (12-32)	14 (8.4-23)	11 (6.5-19)	8.4 (5.0-15)	6.5 (3.8-11)	5.0 (2.9-8.8)
3	38 (24-52)	31 (18-46)	23 (13-36)	18 (9.9-30)	15 (7.7-24)	11 (5.9-19)	8.9 (4.6-15)
4	50 (33-63)	45 (28-57)	36 (21-48)	30 (17-41)	24 (13-34)	19 (10-27)	15 (7.9-22)
5	62 (46-71)	58 (41-67)	51 (33-60)	44 (27-53)	36 (22-45)	30 (17-37)	24 (13-30)
6	73	70	66	59	51	44	36

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	12	9.0	6.2	4.8	3.7	2.8	2.1
1	20 (14-32)	16 (11-27)	11 (8.1-20)	8.8 (6.3-15)	6.8 (4.8-12)	5.2 (3.7-9.4)	4.0 (2.8-7.2)
2	30 (19-46)	25 (16-40)	19 (12-31)	15 (9.3-25)	12 (7.2-20)	9.2 (5.5-16)	7.1 (4.2-12)
3	41 (27-56)	36 (23-51)	30 (18-44)	25 (14-37)	20 (11-31)	15 (8.4-25)	12 (6.4-20)
4	53 (36-65)	49 (32-61)	43 (27-56)	37 (22-49)	30 (17-41)	24 (13-34)	20 (10-28)
5	64 (49-71)	61 (45-69)	57 (40-66)	50 (33-59)	43 (27-52)	36 (21-45)	30 (17-37)
6	73	71	69	63	56	49	42

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	14	12	8.8	6.7	5.1	3.9	3.0
1	22 (16-36)	19 (14-32)	15 (11-26)	12 (8.3-21)	9.2 (6.3-16)	7.0 (4.8-13)	5.4 (3.7-9.8)
2	33 (22-49)	29 (19-45)	24 (16-39)	19 (12-32)	15 (9.4-26)	12 (7.2-21)	9.3 (5.5-16)
3	44 (29-59)	40 (26-55)	36 (23-50)	30 (18-43)	24 (14-36)	19 (11-29)	15 (8.2-24)
4	55 (39-67)	52 (35-65)	48 (31-61)	41 (25-54)	35 (20-46)	29 (16-39)	23 (12-32)
5	65 (52-72)	63 (48-71)	60 (44-69)	54 (37-63)	47 (31-56)	40 (25-49)	34 (20-42)
6	71	72	71	65	59	52	45