

**Kuwait - The probabilities of a major osteoporotic fracture in women**

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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	2.7	2.4	2.3	2.0	1.7	1.5	1.3
1	4.4 (3.0-6.6)	3.8 (2.6-5.5)	3.6 (2.4-4.9)	3.1 (2.1-4.3)	2.7 (1.8-3.7)	2.4 (1.6-3.3)	2.1 (1.4-2.8)
2	7.1 (3.9-12)	6.1 (3.3-10)	5.5 (2.9-9.5)	4.8 (2.5-8.3)	4.2 (2.2-7.3)	3.7 (1.9-6.4)	3.2 (1.7-5.6)
3	11 (5.7-19)	9.5 (4.6-17)	8.5 (4.1-15)	7.4 (3.5-13)	6.4 (3.0-12)	5.6 (2.6-10)	4.9 (2.3-9.0)
4	18 (9.7-27)	14 (8.1-23)	13 (6.9-21)	11 (5.9-18)	9.6 (5.1-16)	8.4 (4.4-14)	7.3 (3.8-12)
5	27 (17-34)	22 (14-28)	19 (13-25)	16 (11-22)	14 (9.6-19)	12 (8.4-17)	11 (7.3-15)
6	40	32	27	24	21	18	16

Ten year probability of osteoporotic 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	3.7	3.2	2.9	2.5	2.2	1.9	1.7
1	6.0 (4.3-8.8)	5.1 (3.5-7.1)	4.6 (3.2-6.3)	4.0 (2.7-5.4)	3.5 (2.4-4.7)	3.0 (2.0-4.1)	2.6 (1.8-3.5)
2	9.7 (5.6-15)	8.0 (4.5-13)	7.1 (3.9-12)	6.1 (3.4-10)	5.3 (2.9-9.0)	4.6 (2.5-7.8)	4.0 (2.2-6.9)
3	15 (8.5-24)	12 (6.5-21)	11 (5.5-19)	9.4 (4.7-16)	8.1 (4.0-14)	7.0 (3.5-13)	6.1 (3.0-11)
4	24 (14-34)	19 (11-29)	16 (9.3-25)	14 (8.0-22)	12 (6.8-19)	11 (5.8-17)	9.1 (5.0-15)
5	35 (23-43)	28 (19-35)	24 (16-31)	21 (14-27)	18 (12-23)	16 (11-21)	13 (9.3-18)
6	51	41	34	30	26	22	20

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.9	4.1	3.6	3.1	2.7	2.4	2.0
1	8.0 (5.9-11)	6.5 (4.7-8.9)	5.7 (4.0-7.6)	4.9 (3.4-6.5)	4.2 (2.9-5.6)	3.7 (2.5-4.9)	3.2 (2.2-4.2)
2	13 (7.9-20)	10 (6.1-15)	8.8 (5.0-14)	7.6 (4.3-12)	6.5 (3.7-11)	5.6 (3.1-9.2)	4.9 (2.7-8.0)
3	20 (12-30)	16 (9.1-25)	13 (7.2-22)	11 (6.1-19)	9.9 (5.2-17)	8.5 (4.4-15)	7.3 (3.8-13)
4	30 (19-42)	24 (15-34)	20 (12-30)	17 (11-26)	15 (8.9-23)	13 (7.5-20)	11 (6.4-17)
5	43 (31-52)	35 (25-42)	29 (21-36)	25 (18-32)	22 (15-28)	19 (13-24)	16 (11-21)
6	59	49	41	35	31	27	23

Ten year probability of osteoporotic 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	6.4	5.1	4.4	3.8	3.3	2.8	2.4
1	10 (7.7-14)	8.1 (6.0-11)	6.9 (4.9-8.9)	5.9 (4.2-7.6)	5.0 (3.6-6.5)	4.3 (3.0-5.6)	3.7 (2.6-4.8)
2	16 (11-23)	13 (7.9-18)	11 (6.3-16)	9.0 (5.3-14)	7.7 (4.5-12)	6.6 (3.8-10)	5.7 (3.3-9.0)
3	24 (16-34)	19 (12-28)	16 (9.3-25)	14 (7.8-22)	12 (6.6-19)	9.9 (5.5-16)	8.5 (4.7-14)
4	35 (24-46)	28 (19-39)	23 (16-34)	20 (13-30)	17 (11-26)	15 (9.4-22)	13 (7.9-19)
5	49 (38-57)	40 (31-48)	33 (25-41)	29 (22-36)	25 (19-31)	21 (16-27)	18 (14-24)
6	64	54	46	40	35	30	26

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	8.1	6.5	5.5	4.7	4.0	3.4	2.9
1	13 (9.8-16)	10 (7.6-13)	8.4 (6.3-11)	7.1 (5.2-9.0)	6.0 (4.4-7.6)	5.1 (3.7-6.5)	4.3 (3.1-5.6)
2	20 (14-27)	16 (10-21)	13 (8.1-17)	11 (6.8-15)	9.0 (5.7-12)	7.6 (4.8-11)	6.4 (4.0-9.0)
3	31 (21-42)	24 (16-34)	19 (12-28)	16 (10-24)	13 (8.4-20)	11 (7.0-17)	9.5 (5.8-14)
4	44 (33-57)	35 (26-48)	28 (20-39)	24 (17-34)	20 (14-29)	17 (12-24)	14 (9.7-21)
5	59 (52-67)	50 (43-59)	41 (34-49)	35 (29-42)	29 (24-36)	25 (20-31)	21 (17-26)
6	71	65	56	49	42	36	30

Ten year probability of osteoporotic 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	10	8.6	7.4	6.2	5.2	4.4	3.7
1	17 (12-25)	14 (9.9-18)	11 (8.3-14)	9.3 (6.9-11)	7.8 (5.7-9.4)	6.5 (4.8-8.0)	5.5 (4.0-6.8)
2	26 (17-39)	21 (13-30)	17 (11-23)	14 (9.0-19)	12 (7.5-16)	9.8 (6.2-13)	8.1 (5.2-11)
3	39 (25-54)	32 (20-45)	26 (16-37)	22 (13-31)	18 (11-26)	15 (9.2-22)	12 (7.6-18)
4	53 (36-66)	46 (31-60)	38 (26-52)	32 (21-44)	27 (18-38)	22 (15-32)	18 (12-26)
5	66 (52-74)	61 (47-70)	53 (41-63)	46 (35-55)	39 (29-48)	33 (25-41)	28 (21-35)
6	76	73	69	62	54	47	40

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	13	11	10	8.5	7.2	6.0	5.1
1	20 (15-30)	18 (13-25)	15 (11-19)	13 (9.3-16)	10 (7.7-13)	8.7 (6.4-11)	7.3 (5.3-8.6)
2	30 (20-43)	26 (17-36)	22 (15-30)	19 (12-25)	15 (10-20)	13 (8.3-17)	11 (6.8-14)
3	41 (27-55)	37 (25-49)	32 (22-43)	27 (18-36)	22 (15-30)	19 (12-25)	15 (10-21)
4	53 (38-65)	49 (35-61)	44 (32-56)	38 (27-49)	32 (22-43)	27 (18-36)	22 (15-31)
5	64 (50-72)	61 (48-70)	57 (45-66)	51 (39-60)	44 (33-53)	37 (28-46)	31 (23-39)
6	73	72	69	63	57	50	43

Ten year probability of osteoporotic 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	16	15	14	12	9.7	8.1	6.8
1	24 (17-35)	22 (16-31)	20 (15-26)	17 (12-22)	14 (10-18)	12 (8.3-15)	9.6 (6.9-12)
2	33 (23-48)	31 (21-44)	29 (19-38)	24 (16-32)	20 (13-27)	17 (11-22)	14 (8.9-19)
3	44 (30-59)	42 (28-56)	39 (27-51)	33 (22-45)	28 (18-38)	23 (15-32)	19 (12-27)
4	55 (40-67)	53 (39-65)	51 (38-62)	44 (32-56)	38 (27-49)	32 (22-43)	27 (18-36)
5	65 (52-72)	64 (51-71)	62 (50-70)	56 (44-64)	49 (38-58)	43 (32-52)	37 (27-45)
6	73	73	71	66	60	54	47

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	18	18	17	14	12	9.9	8.2
1	26 (19-38)	25 (18-36)	25 (18-32)	20 (15-27)	17 (12-22)	14 (9.9-18)	12 (8.1-15)
2	36 (25-51)	35 (24-48)	34 (23-45)	28 (19-38)	24 (16-32)	20 (13-27)	16 (11-23)
3	47 (32-61)	45 (31-59)	44 (30-57)	38 (25-51)	32 (21-44)	27 (17-38)	23 (14-32)
4	57 (42-69)	56 (41-67)	54 (41-66)	48 (35-60)	42 (29-53)	36 (24-47)	30 (20-40)
5	66 (54-72)	65 (53-72)	64 (53-72)	58 (46-67)	52 (40-61)	46 (35-55)	40 (29-49)
6	72	73	73	68	62	56	50