

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

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	2.0	1.9	1.8	1.6	1.4	1.2	1.1
1	3.3 (2.3-4.9)	3.0 (2.0-4.3)	2.9 (1.9-4.0)	2.5 (1.7-3.5)	2.2 (1.5-3.0)	1.9 (1.3-2.6)	1.7 (1.1-2.3)
2	5.3 (2.9-8.8)	4.7 (2.5-8.1)	4.4 (2.3-7.7)	3.9 (2.0-6.7)	3.4 (1.8-5.9)	2.9 (1.5-5.2)	2.6 (1.3-4.5)
3	8.4 (4.2-14)	7.3 (3.6-13)	6.8 (3.2-12)	5.9 (2.8-11)	5.1 (2.4-9.5)	4.5 (2.1-8.3)	3.9 (1.8-7.3)
4	13 (7.2-20)	11 (6.0-18)	10 (5.3-17)	8.8 (4.6-15)	7.7 (4.0-13)	6.7 (3.4-11)	5.8 (3.0-9.8)
5	20 (12-25)	17 (11-22)	15 (10-20)	13 (8.7-17)	11 (7.6-15)	9.8 (6.6-13)	8.5 (5.8-12)
6	29	24	22	19	16	14	12

Ten year probability of osteoporotic 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	2.6	2.3	2.2	1.9	1.6	1.4	1.2
1	4.1 (2.9-6.1)	3.7 (2.5-5.1)	3.4 (2.3-4.6)	2.9 (2.0-4.0)	2.6 (1.7-3.5)	2.2 (1.5-3.0)	1.9 (1.3-2.6)
2	6.6 (3.8-10)	5.7 (3.2-9.4)	5.2 (2.8-8.8)	4.5 (2.4-7.7)	3.9 (2.1-6.7)	3.4 (1.8-5.8)	3.0 (1.6-5.1)
3	10 (5.7-17)	8.9 (4.6-15)	8.0 (4.0-14)	6.9 (3.4-12)	5.9 (2.9-11)	5.2 (2.5-9.3)	4.5 (2.2-8.1)
4	16 (9.4-24)	13 (7.9-21)	12 (6.7-19)	10 (5.7-17)	8.9 (4.9-14)	7.7 (4.2-13)	6.7 (3.6-11)
5	24 (16-31)	20 (13-26)	18 (12-23)	15 (10-20)	13 (9.0-18)	11 (7.8-15)	9.8 (6.7-13)
6	36	29	25	22	19	16	14

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.1	2.7	2.5	2.1	1.8	1.6	1.4
1	5.0 (3.6-7.2)	4.3 (3.0-5.9)	3.8 (2.7-5.2)	3.3 (2.3-4.4)	2.8 (2.0-3.8)	2.5 (1.7-3.3)	2.1 (1.4-2.8)
2	8.0 (4.9-12)	6.7 (3.9-10)	5.9 (3.3-9.6)	5.1 (2.8-8.3)	4.4 (2.4-7.2)	3.8 (2.1-6.2)	3.2 (1.8-5.4)
3	12 (7.6-19)	10 (5.9-17)	9.0 (4.8-15)	7.7 (4.1-13)	6.6 (3.5-11)	5.7 (2.9-9.9)	4.9 (2.5-8.6)
4	19 (12-27)	16 (9.7-23)	13 (8.1-21)	12 (6.8-18)	9.9 (5.8-16)	8.4 (4.9-14)	7.2 (4.1-12)
5	28 (19-35)	23 (16-29)	20 (14-26)	17 (12-22)	14 (10-19)	12 (8.7-17)	11 (7.4-14)
6	40	33	28	24	21	18	15

Ten year probability of osteoporotic 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	3.7	3.1	2.7	2.3	2.0	1.7	1.5
1	5.8 (4.3-8.0)	4.9 (3.5-6.5)	4.3 (3.0-5.6)	3.6 (2.5-4.7)	3.1 (2.1-4.0)	2.6 (1.8-3.4)	2.2 (1.5-2.9)
2	9.1 (5.9-13)	7.5 (4.7-11)	6.5 (3.9-10)	5.5 (3.3-8.6)	4.7 (2.7-7.4)	4.0 (2.3-6.4)	3.4 (1.9-5.5)
3	14 (9.0-20)	11 (7.2-17)	9.9 (5.8-16)	8.3 (4.8-14)	7.1 (4.0-12)	6.0 (3.3-10)	5.1 (2.8-8.6)
4	21 (14-28)	17 (11-25)	15 (9.7-22)	12 (8.0-19)	10 (6.6-16)	8.9 (5.5-14)	7.5 (4.6-12)
5	30 (22-36)	25 (18-31)	21 (16-27)	18 (13-23)	15 (11-20)	13 (9.4-17)	11 (7.9-15)
6	41	35	30	26	22	19	16

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.2	3.6	3.1	2.6	2.2	1.9	1.6
1	6.7 (4.9-8.3)	5.5 (4.0-7.0)	4.7 (3.5-6.1)	3.9 (2.9-5.1)	3.3 (2.4-4.3)	2.8 (2.0-3.6)	2.3 (1.7-3.0)
2	11 (6.8-15)	8.6 (5.5-12)	7.2 (4.6-10)	6.0 (3.8-8.5)	5.0 (3.1-7.1)	4.1 (2.6-5.9)	3.4 (2.1-5.0)
3	16 (11-23)	13 (8.7-19)	11 (7.0-16)	9.0 (5.7-14)	7.5 (4.7-11)	6.2 (3.8-9.4)	5.1 (3.2-7.8)
4	24 (17-34)	20 (14-29)	17 (11-24)	14 (9.2-20)	11 (7.5-17)	9.3 (6.1-14)	7.6 (5.0-11)
5	35 (29-43)	30 (25-37)	25 (20-31)	20 (16-26)	17 (13-22)	14 (11-18)	11 (8.8-15)
6	47	42	36	30	25	21	17

Ten year probability of osteoporotic 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	4.9	4.3	3.8	3.2	2.6	2.2	1.8
1	8.2 (5.6-13)	6.9 (4.8-10)	5.9 (4.2-7.7)	4.8 (3.4-6.2)	4.0 (2.8-5.0)	3.3 (2.3-4.0)	2.7 (1.9-3.3)
2	13 (7.9-22)	11 (6.7-17)	9.3 (5.7-14)	7.5 (4.6-11)	6.1 (3.7-8.9)	5.0 (3.0-7.2)	4.0 (2.5-5.9)
3	21 (11-33)	18 (10-27)	14 (8.7-21)	12 (7.1-17)	9.5 (5.7-14)	7.7 (4.6-11)	6.2 (3.7-9.2)
4	31 (18-43)	27 (16-38)	22 (14-32)	18 (11-26)	15 (8.8-22)	12 (7.1-18)	9.5 (5.7-14)
5	43 (29-52)	39 (26-48)	33 (23-42)	27 (19-35)	22 (15-29)	18 (12-24)	15 (10-19)
6	55	52	47	40	33	27	22

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.9	5.4	4.9	4.0	3.3	2.7	2.2
1	9.6 (6.5-16)	8.5 (5.9-13)	7.5 (5.3-11)	6.1 (4.3-8.4)	5.0 (3.5-6.7)	4.0 (2.8-5.3)	3.3 (2.3-4.3)
2	15 (9.1-24)	13 (8.2-21)	12 (7.3-17)	9.3 (5.8-13)	7.5 (4.7-11)	6.1 (3.8-8.5)	4.9 (3.0-6.9)
3	22 (13-34)	20 (12-29)	17 (11-25)	14 (8.5-20)	11 (6.8-16)	9.1 (5.4-13)	7.3 (4.3-11)
4	32 (19-43)	29 (18-39)	26 (16-35)	21 (13-29)	17 (10-24)	14 (8.4-19)	11 (6.6-16)
5	43 (28-52)	40 (26-48)	36 (24-45)	30 (20-38)	25 (16-32)	20 (13-26)	16 (11-21)
6	55	51	48	41	34	29	23

Ten year probability of osteoporotic 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	7.2	6.7	6.4	5.2	4.2	3.4	2.8
1	12 (7.8-19)	11 (7.2-17)	9.8 (6.8-14)	7.9 (5.4-11)	6.3 (4.3-8.9)	5.1 (3.5-7.1)	4.1 (2.8-5.6)
2	18 (11-28)	16 (9.9-25)	15 (9.3-22)	12 (7.4-18)	9.5 (5.9-14)	7.6 (4.7-11)	6.1 (3.7-8.9)
3	26 (15-38)	24 (14-35)	22 (13-31)	18 (10-26)	14 (8.1-21)	11 (6.4-17)	9.0 (5.1-14)
4	36 (22-48)	33 (20-44)	31 (19-41)	25 (16-34)	21 (13-29)	17 (10-23)	13 (7.9-19)
5	47 (32-56)	44 (30-53)	41 (28-50)	35 (23-43)	29 (19-37)	24 (15-31)	19 (12-25)
6	58	55	53	46	39	33	27

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	8.6	8.1	7.9	6.3	5.1	4.1	3.3
1	14 (9.4-22)	13 (8.6-20)	12 (8.3-18)	9.6 (6.5-14)	7.7 (5.2-11)	6.1 (4.1-8.9)	4.9 (3.2-7.0)
2	21 (13-33)	19 (12-30)	18 (11-27)	14 (8.8-22)	12 (6.9-18)	9.2 (5.5-14)	7.3 (4.3-11)
3	30 (18-43)	27 (16-40)	26 (15-37)	21 (12-31)	17 (9.6-26)	14 (7.5-21)	11 (5.9-17)
4	40 (25-52)	38 (23-49)	35 (22-47)	29 (18-40)	24 (15-34)	20 (12-28)	16 (9.3-23)
5	51 (36-59)	49 (34-57)	46 (32-55)	39 (27-48)	33 (22-42)	28 (18-35)	23 (14-29)
6	60	59	57	51	44	37	31