

**The UK - 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 the UK. 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	2.8	2.7	2.7	2.4	2.1	1.8	1.6
1	4.5 (3.0-6.5)	4.3 (2.9-6.0)	4.2 (2.8-5.7)	3.7 (2.5-5.0)	3.2 (2.1-4.4)	2.8 (1.9-3.8)	2.5 (1.6-3.3)
2	7.0 (3.7-12)	6.6 (3.5-11)	6.4 (3.4-11)	5.6 (2.9-9.8)	4.9 (2.6-8.6)	4.3 (2.2-7.6)	3.7 (2.0-6.6)
3	11 (5.3-18)	9.9 (4.8-18)	9.6 (4.6-17)	8.4 (4.0-15)	7.3 (3.5-13)	6.4 (3.0-12)	5.6 (2.6-10)
4	16 (8.8-25)	15 (7.9-24)	14 (7.4-23)	12 (6.4-20)	11 (5.6-18)	9.4 (4.8-16)	8.2 (4.2-14)
5	24 (15-31)	21 (14-28)	20 (14-27)	18 (12-24)	16 (11-21)	14 (9.3-19)	12 (8.2-16)
6	34	30	28	25	22	19	17

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.5	3.3	3.3	2.8	2.5	2.2	1.9
1	5.5 (3.7-7.8)	5.2 (3.5-7.1)	5.0 (3.4-6.8)	4.4 (2.9-5.9)	3.8 (2.6-5.1)	3.3 (2.2-4.5)	2.9 (1.9-3.9)
2	8.5 (4.7-14)	7.9 (4.3-13)	7.6 (4.1-13)	6.6 (3.6-11)	5.8 (3.1-10)	5.0 (2.7-8.7)	4.4 (2.3-7.7)
3	13 (6.9-21)	12 (6.1-20)	11 (5.7-20)	9.8 (4.9-18)	8.6 (4.2-15)	7.5 (3.7-13)	6.5 (3.2-12)
4	19 (11-29)	17 (9.9-27)	16 (9.1-26)	14 (7.8-23)	13 (6.7-20)	11 (5.8-18)	9.5 (5.0-16)
5	28 (18-35)	25 (17-33)	23 (17-31)	21 (14-27)	18 (13-24)	16 (11-21)	14 (9.6-19)
6	39	35	33	29	25	22	19

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.1	3.9	3.8	3.3	2.9	2.5	2.2
1	6.5 (4.5-9.1)	6.1 (4.2-8.3)	5.9 (4.0-7.8)	5.1 (3.4-6.8)	4.4 (3.0-5.8)	3.8 (2.6-5.1)	3.3 (2.2-4.4)
2	9.9 (5.9-15)	9.2 (5.3-15)	8.8 (4.9-15)	7.6 (4.2-13)	6.6 (3.6-11)	5.7 (3.1-9.7)	5.0 (2.7-8.5)
3	15 (8.8-23)	14 (7.6-22)	13 (6.9-22)	11 (5.9-19)	9.7 (5.0-17)	8.4 (4.3-15)	7.3 (3.7-13)
4	22 (14-31)	20 (12-30)	19 (11-29)	16 (9.3-26)	14 (7.9-22)	12 (6.8-20)	11 (5.8-17)
5	31 (21-39)	28 (20-36)	26 (19-35)	23 (17-30)	20 (14-27)	17 (12-23)	15 (11-20)
6	41	38	36	32	28	24	21

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.1	4.9	4.9	4.2	3.6	3.1	2.7
1	7.8 (5.5-11)	7.5 (5.2-9.9)	7.3 (5.0-9.5)	6.3 (4.3-8.2)	5.4 (3.7-7.0)	4.6 (3.1-6.1)	4.0 (2.7-5.2)
2	12 (7.3-17)	11 (6.7-17)	11 (6.3-17)	9.3 (5.3-15)	8.0 (4.5-13)	6.9 (3.9-12)	5.9 (3.3-10)
3	17 (11-24)	16 (9.8-25)	16 (8.9-25)	13 (7.5-22)	12 (6.4-19)	10 (5.4-17)	8.6 (4.6-15)
4	24 (17-33)	23 (15-33)	22 (14-33)	19 (12-29)	16 (9.7-25)	14 (8.2-22)	12 (6.9-19)
5	33 (24-41)	31 (23-40)	30 (23-39)	26 (20-35)	23 (17-30)	20 (14-26)	17 (12-23)
6	43	41	40	35	31	27	23

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.0	5.7	5.6	4.8	4.1	3.5	3.0
1	9.0 (6.4-11)	8.4 (6.0-11)	8.1 (5.8-11)	6.9 (4.9-9.0)	5.8 (4.1-7.7)	4.9 (3.5-6.6)	4.2 (3.0-5.6)
2	13 (8.6-20)	12 (7.9-18)	12 (7.4-17)	9.9 (6.2-14)	8.3 (5.2-12)	7.0 (4.4-10)	6.0 (3.7-8.8)
3	20 (12-28)	18 (12-26)	17 (11-24)	14 (8.9-21)	12 (7.5-18)	10 (6.2-15)	8.4 (5.2-13)
4	28 (19-38)	26 (17-36)	24 (16-34)	20 (13-29)	17 (11-25)	14 (9.2-21)	12 (7.6-18)
5	38 (32-47)	35 (29-44)	33 (26-41)	28 (22-36)	23 (18-31)	20 (15-26)	17 (13-22)
6	49	47	44	38	32	27	23

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.6	6.3	6.1	5.1	4.2	3.6	3.0
1	10 (7.1-16)	9.6 (6.7-13)	9.0 (6.4-11)	7.4 (5.3-9.1)	6.2 (4.3-7.6)	5.1 (3.6-6.4)	4.2 (3.0-5.4)
2	16 (9.8-26)	15 (9.0-22)	13 (8.4-19)	11 (6.8-16)	9.0 (5.6-13)	7.4 (4.6-11)	6.1 (3.8-8.7)
3	24 (14-37)	22 (13-33)	20 (12-28)	16 (9.9-23)	13 (8.0-19)	11 (6.5-16)	8.9 (5.3-13)
4	35 (21-47)	32 (19-43)	28 (18-39)	24 (15-33)	19 (12-28)	16 (9.7-23)	13 (7.9-19)
5	47 (33-56)	43 (31-53)	40 (29-49)	33 (24-42)	28 (20-36)	23 (17-30)	19 (14-25)
6	59	56	52	45	39	32	27

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	7.7	7.4	7.2	5.9	4.8	4.0	3.3
1	12 (8.3-19)	11 (7.8-17)	11 (7.5-15)	8.7 (6.1-12)	7.1 (4.9-9.4)	5.7 (4.0-7.5)	4.7 (3.2-6.0)
2	19 (12-29)	17 (11-26)	16 (10-22)	13 (8.1-18)	10 (6.5-15)	8.4 (5.2-12)	6.8 (4.2-9.6)
3	27 (16-39)	25 (15-36)	23 (14-32)	19 (11-27)	15 (9.0-22)	12 (7.2-18)	9.9 (5.8-15)
4	38 (23-49)	34 (22-45)	32 (21-42)	26 (17-36)	22 (14-30)	18 (11-25)	14 (8.8-20)
5	49 (34-58)	46 (32-55)	43 (30-52)	36 (25-45)	30 (21-38)	25 (17-32)	20 (14-27)
6	60	57	54	47	41	34	28

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	9.3	8.8	8.6	7.0	5.6	4.6	3.7
1	15 (10-24)	14 (9.3-21)	13 (9.0-19)	10 (7.2-15)	8.4 (5.7-12)	6.8 (4.6-9.5)	5.4 (3.6-7.5)
2	22 (14-35)	20 (13-31)	19 (12-28)	15 (9.7-23)	12 (7.7-19)	10 (6.1-15)	8.0 (4.9-12)
3	32 (20-45)	29 (18-42)	27 (16-39)	22 (13-33)	18 (10-27)	15 (8.3-22)	12 (6.6-18)
4	43 (28-55)	40 (25-51)	37 (24-48)	31 (20-41)	26 (16-35)	21 (13-29)	17 (10-24)
5	54 (39-62)	51 (36-60)	48 (34-57)	41 (29-50)	35 (24-44)	29 (19-37)	24 (16-31)
6	63	62	59	53	46	40	33

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	12	10	9.5	7.6	6.1	4.9	3.9
1	18 (13-29)	16 (11-26)	15 (10-22)	12 (8.1-18)	9.4 (6.4-14)	7.5 (5.1-11)	6.0 (4.0-8.7)
2	27 (18-42)	24 (16-37)	22 (14-33)	18 (11-27)	14 (8.9-22)	11 (7.0-17)	9.1 (5.5-14)
3	38 (25-52)	35 (22-48)	31 (20-44)	26 (16-37)	21 (12-31)	17 (9.9-25)	14 (7.8-21)
4	49 (33-60)	46 (31-58)	43 (28-54)	36 (23-47)	30 (19-40)	25 (15-34)	20 (12-28)
5	57 (45-64)	57 (42-64)	54 (40-63)	48 (33-56)	41 (28-50)	35 (23-43)	29 (18-36)
6	62	65	64	59	53	46	39