

**Ireland - 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 Ireland. 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	2.4	2.3	2.2	1.9	1.7	1.4	1.3
1	4.0 (2.7-5.9)	3.6 (2.4-5.1)	3.4 (2.3-4.7)	3.0 (2.0-4.1)	2.6 (1.7-3.6)	2.2 (1.5-3.1)	2.0 (1.3-2.7)
2	6.4 (3.5-10)	5.6 (3.0-9.5)	5.2 (2.8-9.0)	4.6 (2.4-7.9)	4.0 (2.1-6.9)	3.5 (1.8-6.1)	3.0 (1.6-5.3)
3	10 (5.1-17)	8.7 (4.3-15)	8.0 (3.8-14)	6.9 (3.3-13)	6.0 (2.9-11)	5.2 (2.5-9.7)	4.6 (2.2-8.5)
4	16 (8.7-24)	13 (7.2-21)	12 (6.4-19)	10 (5.5-17)	9.0 (4.7-15)	7.8 (4.1-13)	6.8 (3.5-11)
5	24 (14-30)	20 (13-26)	18 (12-23)	15 (10-20)	13 (8.9-18)	11 (7.7-16)	10 (6.8-14)
6	35	29	25	22	19	17	14

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.3	3.0	2.8	2.4	2.1	1.8	1.6
1	5.3 (3.7-7.7)	4.7 (3.2-6.6)	4.4 (3.0-6.0)	3.8 (2.6-5.2)	3.3 (2.2-4.5)	2.9 (1.9-3.9)	2.5 (1.7-3.4)
2	8.4 (4.8-13)	7.3 (4.1-12)	6.7 (3.7-11)	5.8 (3.2-9.8)	5.0 (2.7-8.6)	4.4 (2.3-7.5)	3.8 (2.0-6.6)
3	13 (7.2-21)	11 (5.9-19)	10 (5.1-18)	8.8 (4.4-16)	7.6 (3.8-14)	6.6 (3.2-12)	5.7 (2.8-10)
4	20 (12-30)	17 (9.9-26)	15 (8.5-24)	13 (7.3-21)	11 (6.2-18)	9.8 (5.3-16)	8.5 (4.6-14)
5	30 (19-37)	25 (17-32)	22 (15-29)	19 (13-25)	16 (11-22)	14 (9.8-19)	12 (8.5-17)
6	42	36	31	27	24	20	18

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.4	3.9	3.7	3.2	2.8	2.4	2.1
1	7.0 (5.0-9.9)	6.2 (4.3-8.4)	5.7 (3.9-7.6)	4.9 (3.4-6.6)	4.2 (2.9-5.7)	3.7 (2.5-4.9)	3.2 (2.2-4.2)
2	11 (6.6-16)	9.5 (5.5-15)	8.7 (4.9-14)	7.5 (4.2-12)	6.4 (3.6-11)	5.6 (3.1-9.3)	4.8 (2.6-8.1)
3	17 (10-25)	14 (8.1-23)	13 (7.0-22)	11 (5.9-19)	9.6 (5.0-17)	8.3 (4.3-14)	7.2 (3.7-13)
4	24 (16-35)	21 (13-31)	19 (11-29)	16 (9.7-25)	14 (8.2-22)	12 (6.9-19)	10 (5.9-17)
5	35 (24-43)	30 (21-38)	27 (19-35)	23 (17-31)	20 (14-27)	17 (12-23)	15 (11-20)
6	47	42	38	33	28	25	21

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	5.6	5.0	4.7	4.0	3.4	2.9	2.5
1	8.6 (6.2-12)	7.7 (5.5-10)	7.1 (5.0-9.3)	6.1 (4.2-7.9)	5.2 (3.6-6.8)	4.5 (3.1-5.8)	3.8 (2.6-5.0)
2	13 (8.5-19)	12 (7.2-17)	11 (6.3-17)	9.1 (5.3-14)	7.8 (4.5-13)	6.7 (3.8-11)	5.7 (3.2-9.5)
3	19 (13-27)	17 (11-26)	16 (9.1-25)	13 (7.6-22)	11 (6.4-19)	9.8 (5.4-16)	8.4 (4.6-14)
4	27 (19-37)	25 (17-35)	22 (15-33)	19 (12-29)	17 (10-25)	14 (8.5-22)	12 (7.2-19)
5	37 (28-46)	34 (25-43)	31 (24-40)	27 (20-35)	23 (17-30)	20 (15-26)	17 (13-23)
6	49	45	42	37	32	28	24

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.8	6.2	5.8	4.9	4.1	3.5	3.0
1	10 (7.5-13)	9.3 (6.8-12)	8.5 (6.2-11)	7.1 (5.2-9.2)	6.0 (4.3-7.8)	5.1 (3.6-6.6)	4.3 (3.0-5.6)
2	16 (10-23)	14 (9.1-20)	13 (8.0-18)	10 (6.6-15)	8.8 (5.5-13)	7.4 (4.6-11)	6.2 (3.8-9.0)
3	23 (15-33)	21 (14-29)	18 (12-26)	15 (9.8-22)	13 (8.1-19)	11 (6.7-16)	8.9 (5.6-13)
4	33 (23-43)	29 (20-40)	26 (18-37)	22 (15-31)	18 (12-27)	15 (10-23)	13 (8.4-19)
5	43 (37-52)	40 (34-49)	37 (30-45)	31 (25-39)	26 (21-33)	22 (17-28)	18 (14-24)
6	55	52	49	42	36	31	26

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	8.6	7.9	7.2	6.0	5.0	4.1	3.5
1	14 (9.4-21)	12 (8.6-18)	11 (7.8-14)	9.0 (6.4-12)	7.4 (5.3-9.4)	6.1 (4.3-7.6)	5.0 (3.5-6.2)
2	21 (13-33)	19 (12-29)	17 (10-24)	14 (8.5-20)	11 (6.9-16)	9.1 (5.7-13)	7.5 (4.6-11)
3	30 (18-45)	28 (16-41)	25 (15-35)	20 (12-29)	17 (10-24)	14 (8.2-20)	11 (6.6-16)
4	41 (26-55)	39 (25-51)	35 (23-48)	30 (19-41)	25 (15-35)	20 (12-29)	16 (10-24)
5	53 (39-62)	51 (37-60)	48 (36-57)	41 (30-51)	35 (25-44)	29 (21-37)	24 (17-31)
6	64	62	60	53	47	40	34

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	11	9.6	8.6	7.1	5.8	4.7	3.8
1	17 (12-26)	15 (11-23)	13 (9.5-19)	11 (7.6-15)	8.7 (6.1-12)	7.1 (4.9-9.8)	5.7 (4.0-7.8)
2	25 (16-38)	23 (15-34)	20 (13-29)	16 (10-24)	13 (8.3-19)	11 (6.7-15)	8.6 (5.4-12)
3	35 (22-49)	32 (20-45)	29 (18-40)	24 (15-34)	20 (12-28)	16 (9.5-23)	13 (7.6-19)
4	45 (30-58)	43 (28-55)	40 (27-51)	34 (22-44)	28 (18-38)	23 (15-32)	19 (12-26)
5	56 (42-65)	54 (40-63)	52 (38-61)	45 (32-54)	38 (27-47)	32 (22-41)	27 (18-34)
6	66	65	63	56	50	43	37

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	12	10	9.4	7.6	6.1	4.9	4.0
1	19 (13-30)	16 (11-25)	14 (10-21)	12 (8.1-17)	9.4 (6.5-14)	7.5 (5.2-11)	6.0 (4.1-8.5)
2	28 (18-42)	25 (16-37)	22 (14-32)	18 (11-26)	14 (8.9-21)	11 (7.1-17)	9.1 (5.6-14)
3	39 (25-53)	35 (22-49)	31 (20-44)	26 (16-37)	21 (13-31)	17 (10-25)	14 (7.9-20)
4	50 (34-62)	47 (31-59)	43 (28-54)	36 (23-47)	30 (19-41)	25 (15-34)	20 (12-28)
5	61 (47-68)	58 (43-67)	55 (40-64)	48 (34-57)	41 (28-50)	35 (23-43)	29 (19-37)
6	68	68	66	60	54	47	40

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	10	9.2	8.4	6.8	5.5	4.5	3.6
1	17 (12-26)	15 (10-23)	13 (9.1-19)	10 (7.3-15)	8.4 (5.8-12)	6.7 (4.6-9.6)	5.4 (3.7-7.6)
2	25 (16-38)	22 (14-34)	20 (12-29)	16 (10-23)	13 (7.9-19)	10 (6.3-15)	8.2 (5.0-12)
3	35 (22-49)	32 (20-45)	28 (18-40)	23 (14-33)	19 (11-28)	15 (8.9-23)	12 (7.1-18)
4	46 (31-58)	43 (28-55)	39 (26-51)	33 (21-44)	27 (17-37)	22 (14-31)	18 (11-25)
5	56 (43-64)	54 (40-63)	51 (37-60)	45 (31-53)	38 (26-47)	32 (21-40)	26 (17-33)
6	63	64	62	56	50	43	36