Ireland - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip fracture according to body mass index (BMI kg/m2), 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.7-2.2)	0.6 (0.4-1.2)	0.3 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	2.1 (1.1-4.4)	1.2 (0.6-2.5)	0.6 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)
3	3.9 (1.6-7.7)	2.2 (0.9-4.4)	1.2 (0.5-2.4)	0.9 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.1)	0.4 (0.2-0.9)
4	7.1 (2.8-12)	4.0 (1.6-6.6)	2.3 (0.9-3.7)	1.7 (0.7-2.9)	1.4 (0.5-2.2)	1.1 (0.4-1.7)	0.8 (0.3-1.3)
5	12 (5.7-16)	7.2 (3.3-9.6)	4.0 (1.8-5.4)	3.1 (1.4-4.2)	2.4 (1.1-3.3)	1.9 (0.9-2.6)	1.5 (0.7-2.0)
6	21	12	7.1	5.5	4.3	3.4	2.6

Ten year probability of hip 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	1.0	0.5	0.3	0.2	0.2	0.1	0.1
1	1.9 (1.3-3.3)	1.0 (0.7-1.8)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)
2	3.4 (1.9-6.6)	2.0 (1.1-3.8)	1.1 (0.6-2.1)	0.8 (0.5-1.7)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)
3	6.1 (2.8-11)	3.5 (1.6-6.6)	2.0 (0.9-3.8)	1.5 (0.7-2.9)	1.2 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)
4	11 (4.9-17)	6.3 (2.8-9.9)	3.6 (1.6-5.7)	2.8 (1.2-4.4)	2.2 (1.0-3.4)	1.7 (0.7-2.7)	1.3 (0.6-2.1)
5	18 (9.6-23)	11 (5.7-14)	6.3 (3.3-8.3)	4.9 (2.5-6.5)	3.8 (2.0-5.0)	3.0 (1.5-3.9)	2.3 (1.2-3.0)
6	29	18	11	8.4	6.6	5.1	4.0

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	1.7	1.0	0.5	0.4	0.3	0.3	0.2
1	3.0 (2.2-4.7)	1.7 (1.3-2.8)	1.0 (0.7-1.6)	0.8 (0.6-1.2)	0.6 (0.4-0.9)	0.5 (0.3-0.7)	0.4 (0.3-0.6)
2	5.2 (3.1-9.0)	3.1 (1.8-5.5)	1.8 (1.0-3.2)	1.4 (0.8-2.5)	1.1 (0.6-1.9)	0.8 (0.5-1.5)	0.6 (0.4-1.2)
3	8.9 (4.6-15)	5.4 (2.8-9.5)	3.2 (1.6-5.6)	2.5 (1.2-4.4)	1.9 (1.0-3.4)	1.5 (0.7-2.6)	1.1 (0.6-2.0)
4	15 (8.0-22)	9.3 (4.8-14)	5.5 (2.8-8.5)	4.3 (2.2-6.6)	3.3 (1.7-5.1)	2.6 (1.3-4.0)	2.0 (1.0-3.1)
5	23 (15-29)	15 (9.3-19)	9.3 (5.6-12)	7.3 (4.4-9.4)	5.7 (3.4-7.3)	4.4 (2.6-5.7)	3.4 (2.0-4.4)
6	35	24	15	12	9.5	7.4	5.8

Ten year probability of hip 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/m²)						
	15	20	25	30	35	40	45
0	2.6	1.6	1.0	0.7	0.6	0.4	0.3
1	4.4 (3.4-6.4)	2.8 (2.1-4.0)	1.7 (1.2-2.4)	1.3 (1.0-1.8)	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.6 (0.4-0.8)
2	7.4 (4.6-11)	4.7 (3.0-7.5)	2.9 (1.8-4.6)	2.2 (1.4-3.6)	1.7 (1.1-2.8)	1.3 (0.8-2.1)	1.0 (0.6-1.6)
3	12 (6.9-19)	7.8 (4.5-13)	4.9 (2.7-8.0)	3.8 (2.1-6.2)	2.9 (1.6-4.8)	2.2 (1.2-3.7)	1.7 (1.0-2.9)
4	18 (12-27)	13 (7.7-19)	8.1 (4.8-12)	6.3 (3.7-9.4)	4.9 (2.8-7.3)	3.8 (2.2-5.6)	2.9 (1.7-4.4)
5	27 (19-33)	20 (14-24)	13 (9.0-16)	10 (7.0-13)	8.0 (5.4-10)	6.2 (4.2-7.7)	4.8 (3.2-6.0)
6	39	30	21	16	13	10	7.8

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.0	2.7	1.7	1.3	1.0	0.8	0.6
1	6.9 (5.1-8.4)	4.8 (3.6-5.7)	3.1 (2.4-3.6)	2.4 (1.8-2.8)	1.8 (1.4-2.1)	1.4 (1.1-1.6)	1.1 (0.8-1.3)
2	11 (7.6-17)	8.2 (5.4-12)	5.4 (3.6-7.5)	4.2 (2.7-5.8)	3.2 (2.1-4.5)	2.5 (1.6-3.5)	1.9 (1.2-2.7)
3	18 (12-26)	14 (9.0-19)	9.4 (6.2-14)	7.3 (4.8-11)	5.6 (3.7-8.2)	4.3 (2.8-6.3)	3.3 (2.2-4.9)
4	28 (19-37)	22 (15-30)	16 (11-22)	12 (8.5-18)	9.6 (6.5-14)	7.4 (5.0-11)	5.7 (3.8-8.4)
5	39 (33-47)	33 (28-41)	25 (21-31)	20 (17-25)	16 (13-20)	12 (10-16)	9.6 (7.9-12)
6	51	46	38	31	25	20	16

Ten year probability of hip 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	6.1	4.6	3.1	2.4	1.8	1.4	1.1
1	11 (7.3-19)	8.4 (5.7-15)	5.9 (4.1-10)	4.5 (3.1-8.0)	3.5 (2.4-6.2)	2.6 (1.8-4.7)	2.0 (1.4-3.6)
2	18 (10-30)	15 (8.5-24)	11 (6.1-18)	8.3 (4.7-14)	6.4 (3.6-11)	4.9 (2.7-8.4)	3.8 (2.1-6.5)
3	28 (15-43)	23 (13-37)	18 (10-28)	14 (7.7-23)	11 (5.9-18)	8.7 (4.5-14)	6.7 (3.4-11)
4	39 (24-53)	35 (21-47)	29 (17-41)	24 (13-34)	19 (10-28)	15 (7.7-22)	12 (5.9-18)
5	51 (36-61)	48 (32-57)	43 (27-52)	36 (22-45)	29 (17-38)	24 (13-31)	19 (10-25)
6	63	60	56	49	42	35	29

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	8.6	6.7	4.8	3.7	2.8	2.1	1.6
1	15 (10-25)	12 (8.1-21)	8.8 (6.2-16)	6.8 (4.7-12)	5.2 (3.6-9.4)	4.0 (2.7-7.2)	3.0 (2.1-5.5)
2	23 (14-37)	19 (12-32)	15 (9.2-25)	12 (7.0-20)	9.1 (5.4-16)	7.0 (4.1-12)	5.3 (3.1-9.5)
3	33 (20-47)	29 (17-42)	24 (14-36)	19 (11-30)	15 (8.2-24)	12 (6.3-19)	9.1 (4.8-15)
4	44 (28-57)	40 (24-53)	35 (21-47)	29 (16-40)	24 (13-33)	19 (9.7-27)	15 (7.4-21)
5	55 (39-64)	52 (36-61)	48 (31-57)	41 (26-50)	34 (20-43)	28 (16-36)	23 (12-29)
6	65	63	60	54	47	40	33

Ten year probability of hip 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	10	7.8	5.7	4.4	3.3	2.5	1.9
1	17 (12-29)	14 (9.5-23)	10 (7.2-18)	7.9 (5.5-14)	6.1 (4.2-11)	4.6 (3.2-8.4)	3.5 (2.4-6.5)
2	26 (17-41)	22 (14-36)	17 (11-29)	14 (8.2-23)	11 (6.3-18)	8.1 (4.8-14)	6.2 (3.6-11)
3	38 (24-52)	33 (20-47)	27 (16-40)	22 (12-33)	17 (9.5-27)	14 (7.3-22)	11 (5.6-17)
4	50 (33-62)	45 (28-57)	39 (23-51)	33 (19-44)	27 (15-37)	21 (11-30)	17 (8.6-24)
5	60 (46-68)	57 (41-66)	53 (35-62)	46 (29-55)	39 (23-47)	32 (18-40)	26 (14-33)
6	68	68	65	59	52	45	37

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	8.7	6.7	5.0	3.8	2.9	2.2	1.7
1	15 (10-25)	12 (8.1-21)	9.0 (6.2-16)	6.9 (4.7-12)	5.3 (3.6-9.6)	4.0 (2.7-7.4)	3.0 (2.1-5.6)
2	23 (15-37)	19 (12-32)	15 (9.3-26)	12 (7.1-20)	9.2 (5.4-16)	7.1 (4.1-12)	5.4 (3.1-9.6)
3	34 (21-48)	29 (18-42)	24 (14-36)	19 (11-30)	15 (8.2-24)	12 (6.3-19)	9.2 (4.8-15)
4	45 (29-57)	41 (25-53)	36 (21-47)	29 (16-40)	24 (13-33)	19 (9.7-27)	15 (7.4-21)
5	56 (41-63)	53 (37-62)	48 (32-58)	42 (26-50)	35 (20-43)	29 (16-36)	23 (12-30)
6	63	63	61	54	47	40	34