

**The UK - The probabilities of a hip fracture in women**

The following tables give the 10-year probability (%) of a hip 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	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.4 (0.9-2.8)	0.8 (0.5-1.5)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.8 (1.4-5.8)	1.5 (0.8-3.2)	0.8 (0.4-1.7)	0.6 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	5.2 (2.1-10)	2.8 (1.1-5.6)	1.5 (0.6-3.1)	1.2 (0.5-2.4)	0.9 (0.4-1.9)	0.7 (0.3-1.4)	0.6 (0.2-1.1)
4	9.4 (3.7-15)	5.2 (2.0-8.4)	2.8 (1.1-4.6)	2.2 (0.8-3.6)	1.7 (0.7-2.8)	1.3 (0.5-2.2)	1.0 (0.4-1.7)
5	16 (7.7-22)	9.3 (4.3-12)	5.1 (2.3-6.9)	4.0 (1.8-5.4)	3.1 (1.4-4.2)	2.4 (1.1-3.3)	1.9 (0.9-2.6)
6	27	16	9.0	7.0	5.5	4.3	3.3

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.3	0.7	0.4	0.3	0.2	0.2	0.1
1	2.5 (1.7-4.3)	1.4 (0.9-2.4)	0.7 (0.5-1.3)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)
2	4.6 (2.5-8.9)	2.5 (1.4-5.0)	1.4 (0.7-2.7)	1.1 (0.6-2.1)	0.8 (0.5-1.7)	0.6 (0.4-1.3)	0.5 (0.3-1.0)
3	8.3 (3.8-15)	4.6 (2.1-8.7)	2.5 (1.1-4.8)	2.0 (0.9-3.7)	1.5 (0.7-2.9)	1.2 (0.5-2.3)	0.9 (0.4-1.8)
4	14 (6.7-22)	8.3 (3.7-13)	4.6 (2.0-7.2)	3.6 (1.6-5.7)	2.8 (1.2-4.4)	2.2 (0.9-3.4)	1.7 (0.7-2.7)
5	24 (14-31)	14 (7.7-19)	8.0 (4.3-11)	6.3 (3.3-8.4)	4.9 (2.6-6.5)	3.8 (2.0-5.1)	3.0 (1.6-4.0)
6	39	24	14	11	8.5	6.7	5.2

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	2.3	1.3	0.7	0.6	0.4	0.3	0.3
1	4.3 (3.1-6.7)	2.4 (1.7-3.7)	1.3 (0.9-2.0)	1.0 (0.7-1.6)	0.8 (0.6-1.2)	0.6 (0.4-1.0)	0.5 (0.3-0.7)
2	7.6 (4.5-13)	4.3 (2.5-7.7)	2.4 (1.4-4.3)	1.8 (1.1-3.4)	1.4 (0.8-2.6)	1.1 (0.7-2.0)	0.9 (0.5-1.6)
3	13 (6.8-22)	7.6 (3.8-13)	4.2 (2.1-7.5)	3.3 (1.6-5.9)	2.6 (1.3-4.6)	2.0 (1.0-3.6)	1.5 (0.8-2.8)
4	22 (12-32)	13 (6.7-19)	7.4 (3.7-11)	5.8 (2.9-8.8)	4.5 (2.2-6.9)	3.5 (1.7-5.4)	2.7 (1.4-4.2)
5	35 (23-43)	21 (13-27)	13 (7.7-16)	9.9 (6.0-13)	7.8 (4.7-10)	6.1 (3.7-7.9)	4.7 (2.8-6.2)
6	51	34	21	17	13	10	8.1

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	4.1	2.3	1.3	1.0	0.8	0.6	0.5
1	7.0 (5.3-9.8)	4.0 (3.0-5.6)	2.2 (1.7-3.1)	1.7 (1.3-2.4)	1.4 (1.0-1.9)	1.0 (0.8-1.5)	0.8 (0.6-1.1)
2	12 (7.6-19)	6.9 (4.4-11)	3.9 (2.5-6.5)	3.1 (1.9-5.1)	2.4 (1.5-3.9)	1.8 (1.2-3.1)	1.4 (0.9-2.4)
3	19 (11-30)	12 (6.6-19)	6.7 (3.7-11)	5.3 (2.9-8.8)	4.1 (2.3-6.9)	3.2 (1.8-5.4)	2.5 (1.4-4.2)
4	30 (19-42)	19 (11-27)	11 (6.5-17)	8.9 (5.1-13)	7.0 (4.0-10)	5.4 (3.1-8.1)	4.2 (2.4-6.3)
5	45 (34-53)	30 (22-37)	19 (13-23)	15 (10-19)	12 (8.1-15)	9.1 (6.3-12)	7.1 (4.9-9.1)
6	61	45	29	24	19	15	12

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.8	4.0	2.3	1.8	1.4	1.1	0.8
1	12 (9.4-14)	7.3 (5.7-8.4)	4.2 (3.3-4.9)	3.3 (2.6-3.8)	2.5 (2.0-2.9)	2.0 (1.6-2.3)	1.5 (1.2-1.8)
2	20 (14-27)	13 (8.6-17)	7.6 (5.1-10)	5.9 (3.9-7.9)	4.6 (3.1-6.2)	3.6 (2.4-4.8)	2.8 (1.8-3.7)
3	33 (23-44)	22 (15-31)	13 (8.8-20)	11 (6.9-15)	8.2 (5.3-12)	6.4 (4.1-9.5)	5.0 (3.2-7.4)
4	48 (38-61)	35 (26-47)	23 (17-32)	18 (13-26)	14 (10-20)	11 (8.2-16)	8.8 (6.3-13)
5	65 (59-72)	52 (46-60)	37 (32-44)	30 (26-36)	24 (21-29)	19 (16-24)	15 (13-19)
6	77	69	55	46	39	32	25

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	11	6.9	4.1	3.2	2.5	1.9	1.5
1	20 (14-32)	13 (9.4-22)	8.0 (5.8-14)	6.3 (4.5-11)	4.9 (3.5-8.3)	3.8 (2.7-6.5)	2.9 (2.1-5.0)
2	32 (21-48)	23 (14-36)	15 (8.8-25)	12 (6.8-20)	9.2 (5.3-16)	7.2 (4.1-12)	5.6 (3.2-9.6)
3	48 (32-65)	37 (23-53)	26 (15-40)	21 (12-33)	17 (9.1-26)	13 (7.1-21)	10 (5.5-17)
4	63 (46-75)	54 (37-69)	42 (25-57)	35 (20-49)	28 (16-41)	23 (12-34)	18 (9.8-27)
5	75 (61-81)	70 (53-78)	60 (42-70)	52 (34-62)	44 (28-54)	37 (22-45)	30 (18-38)
6	83	81	76	70	63	55	46

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	15	11	6.9	5.3	4.1	3.2	2.4
1	25 (19-41)	19 (14-31)	13 (9.4-22)	9.9 (7.2-17)	7.7 (5.6-14)	6.0 (4.3-11)	4.6 (3.3-8.2)
2	38 (27-56)	30 (20-46)	22 (14-36)	17 (11-29)	14 (8.4-23)	11 (6.5-18)	8.4 (5.0-14)
3	51 (36-67)	44 (29-61)	35 (20-52)	29 (16-44)	23 (13-36)	18 (9.9-29)	14 (7.6-24)
4	64 (47-75)	59 (41-71)	50 (33-64)	43 (26-56)	36 (21-48)	29 (17-41)	24 (13-33)
5	74 (61-80)	71 (56-78)	66 (48-74)	59 (40-68)	51 (33-60)	44 (27-52)	36 (21-45)
6	81	80	77	72	66	59	51

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	19	15	11	8.3	6.4	4.9	3.8
1	30 (22-46)	25 (18-40)	19 (14-31)	15 (11-25)	12 (8.2-20)	8.9 (6.3-16)	6.9 (4.8-12)
2	42 (30-60)	37 (26-54)	30 (20-46)	24 (16-39)	19 (12-32)	15 (9.4-25)	12 (7.2-20)
3	55 (40-69)	50 (35-65)	44 (28-59)	37 (23-52)	30 (18-44)	25 (14-37)	20 (11-30)
4	66 (50-76)	62 (45-73)	57 (40-69)	50 (33-63)	43 (27-56)	36 (21-48)	30 (17-41)
5	74 (63-79)	73 (59-79)	69 (54-77)	63 (47-72)	57 (39-66)	50 (33-59)	43 (26-52)
6	77	79	79	74	69	63	56

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	21	17	12	9.4	7.3	5.6	4.3
1	33 (25-50)	27 (20-43)	21 (15-35)	17 (12-28)	13 (9.2-22)	10 (7.1-18)	7.8 (5.4-14)
2	46 (34-63)	40 (28-58)	33 (22-50)	27 (17-42)	21 (14-35)	17 (10-28)	13 (8.1-23)
3	58 (44-71)	53 (38-68)	47 (31-62)	40 (25-55)	33 (20-48)	27 (16-40)	22 (12-33)
4	67 (54-76)	65 (49-75)	61 (43-72)	54 (36-66)	47 (29-59)	39 (24-52)	33 (19-44)
5	71 (65-75)	73 (62-78)	72 (58-78)	66 (50-74)	60 (43-69)	53 (36-62)	46 (29-55)
6	69	76	78	75	71	66	59