

France - 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/m²), the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of France. 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 ²)						
	15	20	25	30	35	40	45
0	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.3 (0.8-2.5)	0.7 (0.4-1.3)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
2	2.5 (1.2-5.3)	1.3 (0.7-2.9)	0.7 (0.4-1.6)	0.6 (0.3-1.2)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.6)
3	4.7 (1.9-9.1)	2.5 (1.0-5.0)	1.4 (0.6-2.7)	1.1 (0.4-2.1)	0.8 (0.3-1.7)	0.6 (0.3-1.3)	0.5 (0.2-1.0)
4	8.5 (3.3-14)	4.7 (1.8-7.6)	2.5 (1.0-4.1)	2.0 (0.8-3.2)	1.5 (0.6-2.5)	1.2 (0.5-2.0)	0.9 (0.4-1.5)
5	15 (7.0-20)	8.3 (3.8-11)	4.6 (2.1-6.2)	3.6 (1.6-4.8)	2.8 (1.3-3.8)	2.2 (1.0-2.9)	1.7 (0.8-2.3)
6	25	14	8.1	6.3	4.9	3.9	3.0

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.0	0.5	0.3	0.2	0.2	0.1	0.1
1	2.0 (1.3-3.4)	1.1 (0.7-1.9)	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	3.7 (2.0-7.2)	2.0 (1.1-3.9)	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	6.7 (3.0-12)	3.7 (1.6-6.9)	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	12 (5.3-18)	6.6 (2.9-10)	3.6 (1.6-5.7)	2.8 (1.2-4.4)	2.2 (0.9-3.5)	1.7 (0.7-2.7)	1.3 (0.6-2.1)
5	20 (11-26)	11 (6.1-15)	6.3 (3.3-8.4)	5.0 (2.6-6.6)	3.9 (2.0-5.2)	3.0 (1.6-4.0)	2.3 (1.2-3.1)
6	32	19	11	8.6	6.7	5.3	4.1

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.7	0.9	0.5	0.4	0.3	0.2	0.2
1	3.1 (2.2-4.8)	1.7 (1.2-2.6)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)
2	5.5 (3.2-9.8)	3.0 (1.8-5.5)	1.7 (1.0-3.0)	1.3 (0.8-2.3)	1.0 (0.6-1.8)	0.8 (0.5-1.4)	0.6 (0.4-1.1)
3	9.6 (4.9-17)	5.4 (2.7-9.5)	3.0 (1.5-5.3)	2.3 (1.1-4.1)	1.8 (0.9-3.2)	1.4 (0.7-2.5)	1.1 (0.5-1.9)
4	16 (8.5-24)	9.4 (4.7-14)	5.2 (2.6-8.0)	4.1 (2.0-6.2)	3.2 (1.6-4.9)	2.5 (1.2-3.8)	1.9 (0.9-3.0)
5	27 (17-34)	16 (9.8-20)	9.0 (5.5-12)	7.0 (4.3-9.2)	5.5 (3.3-7.2)	4.3 (2.6-5.6)	3.3 (2.0-4.4)
6	42	26	15	12	9.4	7.3	5.7

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.0	1.7	0.9	0.7	0.5	0.4	0.3
1	5.3 (3.9-7.3)	2.9 (2.2-4.1)	1.6 (1.2-2.2)	1.3 (0.9-1.7)	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.6 (0.4-0.8)
2	9.0 (5.7-15)	5.1 (3.2-8.4)	2.8 (1.8-4.7)	2.2 (1.4-3.7)	1.7 (1.1-2.9)	1.3 (0.8-2.2)	1.0 (0.6-1.7)
3	15 (8.6-24)	8.8 (4.9-14)	4.9 (2.7-8.2)	3.8 (2.1-6.4)	3.0 (1.6-5.0)	2.3 (1.3-3.9)	1.8 (1.0-3.0)
4	24 (15-34)	15 (8.5-21)	8.4 (4.7-12)	6.5 (3.7-9.6)	5.1 (2.9-7.6)	4.0 (2.2-5.9)	3.1 (1.7-4.6)
5	37 (28-45)	24 (17-29)	14 (9.8-18)	11 (7.7-14)	8.6 (6.0-11)	6.7 (4.7-8.6)	5.3 (3.6-6.8)
6	54	37	23	18	14	11	8.8

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.2	3.5	2.0	1.5	1.2	0.9	0.7
1	11 (8.8-13)	6.4 (5.1-7.4)	3.6 (2.9-4.2)	2.8 (2.2-3.2)	2.2 (1.7-2.5)	1.7 (1.4-2.0)	1.3 (1.0-1.5)
2	19 (13-25)	11 (7.7-15)	6.6 (4.4-8.6)	5.1 (3.4-6.8)	4.0 (2.7-5.3)	3.1 (2.1-4.1)	2.4 (1.6-3.2)
3	32 (22-43)	20 (13-28)	12 (7.6-17)	9.2 (6.0-14)	7.2 (4.6-11)	5.6 (3.6-8.4)	4.4 (2.8-6.6)
4	48 (38-61)	33 (25-44)	20 (15-28)	16 (12-23)	13 (9.4-18)	10 (7.4-14)	7.9 (5.7-11)
5	66 (61-74)	50 (45-58)	34 (29-40)	27 (24-33)	22 (19-26)	17 (15-21)	14 (12-17)
6	80	69	52	43	36	29	23

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	7.5	4.3	3.3	2.6	2.0	1.6
1	23 (17-36)	14 (11-24)	8.5 (6.2-14)	6.6 (4.9-11)	5.2 (3.8-8.8)	4.0 (2.9-6.9)	3.1 (2.3-5.4)
2	37 (24-55)	25 (16-41)	16 (9.4-27)	13 (7.3-22)	9.9 (5.7-17)	7.7 (4.4-14)	6.0 (3.4-11)
3	55 (38-71)	42 (26-59)	28 (16-43)	23 (13-35)	18 (9.8-29)	14 (7.7-23)	11 (6.0-18)
4	71 (55-82)	60 (41-76)	45 (27-61)	38 (22-53)	31 (17-44)	25 (14-37)	20 (11-30)
5	82 (71-87)	77 (61-84)	65 (46-75)	57 (38-67)	49 (31-58)	41 (25-49)	34 (20-41)
6	88	87	82	76	69	60	52

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	19	12	7.4	5.8	4.5	3.5	2.7
1	32 (25-49)	22 (17-36)	14 (10-23)	11 (8.2-19)	8.6 (6.4-15)	6.7 (4.9-12)	5.2 (3.8-9.1)
2	47 (34-66)	36 (24-54)	24 (16-40)	19 (12-33)	15 (9.5-27)	12 (7.4-21)	9.6 (5.8-17)
3	62 (46-77)	52 (34-70)	39 (23-58)	32 (18-50)	26 (14-41)	21 (11-34)	17 (8.8-28)
4	75 (60-83)	68 (51-80)	57 (36-71)	49 (30-64)	41 (24-55)	34 (19-47)	28 (15-39)
5	82 (73-86)	80 (67-85)	74 (56-81)	67 (48-75)	59 (40-68)	51 (32-60)	43 (26-52)
6	86	87	85	81	75	68	61

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	23	16	11	8.3	6.4	4.9	3.8
1	36 (28-54)	27 (21-44)	19 (14-32)	15 (11-26)	12 (8.7-20)	9.2 (6.7-16)	7.2 (5.2-13)
2	50 (38-68)	42 (29-60)	31 (21-49)	26 (16-41)	20 (13-34)	16 (10-27)	13 (7.8-22)
3	63 (49-77)	57 (40-72)	47 (30-65)	40 (24-57)	33 (19-49)	27 (15-41)	22 (12-34)
4	74 (60-82)	70 (54-80)	63 (45-76)	56 (38-69)	48 (31-62)	41 (25-54)	34 (20-46)
5	80 (72-84)	79 (68-84)	76 (61-83)	70 (53-78)	64 (46-72)	56 (38-66)	49 (31-58)
6	82	85	84	81	76	71	64

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	23	17	12	9.1	7.1	5.4	4.2
1	35 (27-53)	28 (21-44)	21 (15-34)	16 (12-28)	13 (9.3-22)	10 (7.1-17)	7.7 (5.5-14)
2	49 (37-67)	42 (30-60)	33 (22-50)	27 (17-42)	22 (14-35)	17 (11-28)	14 (8.2-22)
3	62 (48-75)	56 (40-71)	48 (31-65)	41 (25-57)	34 (20-50)	28 (16-42)	22 (12-35)
4	71 (58-80)	68 (53-78)	63 (45-75)	56 (38-69)	48 (31-62)	41 (25-54)	34 (20-46)
5	76 (70-80)	77 (66-82)	75 (60-81)	69 (53-77)	63 (45-72)	56 (38-65)	48 (31-58)
6	76	81	82	79	75	69	63