France - 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 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/m²)						
	15	20	25	30	35	40	45
0	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.5-1.5)	0.4 (0.3-0.8)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.4 (0.7-2.9)	0.8 (0.4-1.7)	0.4 (0.2-1.0)	0.3 (0.2-0.7)	0.3 (0.1-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.6 (1.1-5.2)	1.5 (0.6-3.0)	0.8 (0.3-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	4.7 (1.9-7.8)	2.8 (1.1-4.5)	1.6 (0.6-2.6)	1.2 (0.5-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.2-0.9)
5	8.2 (3.7-11)	4.9 (2.2-6.5)	2.8 (1.3-3.8)	2.2 (1.0-2.9)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)
6	14	8.5	4.9	3.8	3.0	2.3	1.8

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.6	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.8-1.9)	0.6 (0.4-1.1)	0.4 (0.2-0.6)	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	2.0 (1.1-3.8)	1.2 (0.6-2.3)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)
3	3.6 (1.6-6.6)	2.1 (1.0-4.0)	1.2 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.6 (0.3-1.1)	0.4 (0.2-0.8)
4	6.2 (2.9-9.9)	3.8 (1.7-6.0)	2.2 (1.0-3.5)	1.7 (0.7-2.7)	1.3 (0.6-2.1)	1.0 (0.4-1.6)	0.8 (0.3-1.3)
5	11 (5.5-13)	6.5 (3.4-8.5)	3.8 (2.0-5.0)	3.0 (1.5-3.9)	2.3 (1.2-3.0)	1.8 (0.9-2.3)	1.4 (0.7-1.8)
6	17	11	6.5	5.1	3.9	3.1	2.4

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.9	0.5	0.3	0.2	0.2	0.1	0.1
1	1.6 (1.2-2.6)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.3-0.7)	0.3 (0.2-0.5)	0.3 (0.2-0.4)	0.2 (0.1-0.3)
2	2.8 (1.6-4.9)	1.7 (1.0-3.0)	1.0 (0.6-1.8)	0.8 (0.4-1.4)	0.6 (0.3-1.1)	0.5 (0.3-0.8)	0.4 (0.2-0.6)
3	4.8 (2.5-8.4)	3.0 (1.5-5.3)	1.8 (0.9-3.1)	1.4 (0.7-2.4)	1.0 (0.5-1.9)	0.8 (0.4-1.4)	0.6 (0.3-1.1)
4	8.1 (4.3-12)	5.1 (2.6-7.9)	3.0 (1.5-4.7)	2.4 (1.2-3.7)	1.8 (0.9-2.8)	1.4 (0.7-2.2)	1.1 (0.6-1.7)
5	13 (7.9-16)	8.5 (5.1-11)	5.2 (3.1-6.7)	4.0 (2.4-5.2)	3.1 (1.8-4.0)	2.4 (1.4-3.1)	1.9 (1.1-2.4)
6	21	14	8.7	6.8	5.3	4.1	3.1

FRAX® WHO Fracture Risk Assessment Tool

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.5	0.9	0.5	0.4	0.3	0.2	0.2
1	2.5 (1.9-3.6)	1.6 (1.2-2.3)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.3-0.5)
2	4.2 (2.6-6.5)	2.7 (1.7-4.3)	1.6 (1.0-2.6)	1.3 (0.8-2.0)	1.0 (0.6-1.6)	0.7 (0.5-1.2)	0.6 (0.4-0.9)
3	6.8 (3.9-11)	4.5 (2.5-7.4)	2.8 (1.5-4.6)	2.1 (1.2-3.6)	1.6 (0.9-2.8)	1.3 (0.7-2.1)	1.0 (0.5-1.6)
4	11 (6.7-16)	7.4 (4.4-11)	4.6 (2.7-7.0)	3.6 (2.1-5.4)	2.8 (1.6-4.2)	2.1 (1.2-3.2)	1.6 (1.0-2.5)
5	17 (11-20)	12 (8.0-14)	7.7 (5.2-9.6)	5.9 (4.0-7.4)	4.6 (3.1-5.8)	3.5 (2.4-4.4)	2.7 (1.8-3.4)
6	25	18	12	9.6	7.5	5.8	4.5

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.7	1.8	1.1	0.9	0.7	0.5	0.4
1	4.7 (3.5-5.7)	3.2 (2.4-3.8)	2.0 (1.5-2.4)	1.5 (1.2-1.8)	1.2 (0.9-1.4)	0.9 (0.7-1.1)	0.7 (0.5-0.8)
2	8.0 (5.3-12)	5.6 (3.7-7.9)	3.6 (2.3-5.0)	2.7 (1.8-3.8)	2.1 (1.4-3.0)	1.6 (1.1-2.3)	1.2 (0.8-1.7)
3	13 (8.3-19)	9.5 (6.3-14)	6.3 (4.1-9.2)	4.8 (3.2-7.1)	3.7 (2.4-5.5)	2.9 (1.9-4.2)	2.2 (1.4-3.3)
4	21 (14-29)	16 (11-22)	11 (7.5-16)	8.4 (5.7-12)	6.5 (4.4-9.5)	5.0 (3.4-7.3)	3.8 (2.6-5.7)
5	31 (26-38)	25 (21-31)	18 (15-22)	14 (12-18)	11 (9.1-14)	8.5 (7.0-11)	6.6 (5.4-8.5)
6	42	37	28	23	18	14	11

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.0	3.5	2.3	1.8	1.4	1.0	0.8
1	9.0 (6.1-16)	6.6 (4.5-12)	4.5 (3.1-7.8)	3.4 (2.4-6.0)	2.6 (1.8-4.6)	2.0 (1.4-3.6)	1.5 (1.0-2.7)
2	15 (9.0-26)	12 (6.8-20)	8.2 (4.7-14)	6.4 (3.6-11)	4.9 (2.7-8.2)	3.8 (2.1-6.4)	2.9 (1.6-4.9)
3	24 (13-38)	20 (11-31)	15 (8.0-23)	11 (6.2-18)	8.8 (4.7-14)	6.8 (3.6-11)	5.2 (2.7-8.5)
4	36 (21-49)	31 (18-43)	24 (14-35)	19 (11-29)	15 (8.1-23)	12 (6.2-18)	9.2 (4.7-14)
5	48 (32-58)	44 (28-53)	37 (23-46)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.4-21)
6	61	57	52	44	37	31	25

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.5	5.6	3.9	2.9	2.3	1.7	1.3
1	13 (9.0-23)	10 (7.0-18)	7.1 (5.0-13)	5.5 (3.8-9.8)	4.2 (2.9-7.6)	3.2 (2.2-5.8)	2.4 (1.7-4.5)
2	21 (13-34)	17 (10-28)	12 (7.5-21)	9.7 (5.8-16)	7.5 (4.4-13)	5.8 (3.4-10)	4.4 (2.6-7.7)
3	31 (19-45)	26 (15-39)	21 (11-32)	16 (8.8-26)	13 (6.8-21)	9.9 (5.2-16)	7.7 (4.0-13)
4	43 (27-55)	38 (22-50)	32 (18-43)	26 (14-36)	21 (11-29)	16 (8.4-24)	13 (6.4-19)
5	56 (39-64)	51 (34-60)	45 (28-54)	38 (23-47)	31 (18-39)	25 (14-32)	20 (11-26)
6	67	64	59	52	44	37	30

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	9.1	7.2	5.3	4.0	3.1	2.3	1.8
1	15 (11-26)	12 (8.6-22)	9.5 (6.6-17)	7.3 (5.0-13)	5.6 (3.8-10)	4.3 (2.9-7.8)	3.2 (2.2-5.9)
2	24 (16-39)	20 (13-33)	16 (9.8-27)	13 (7.5-21)	9.7 (5.7-17)	7.5 (4.4-13)	5.7 (3.3-10)
3	35 (22-49)	30 (18-44)	25 (15-38)	20 (11-31)	16 (8.7-25)	12 (6.7-20)	9.7 (5.1-16)
4	47 (30-59)	42 (26-54)	37 (22-49)	31 (17-41)	25 (13-34)	20 (10-28)	16 (7.8-23)
5	59 (43-67)	55 (38-64)	50 (33-59)	43 (27-52)	36 (21-45)	30 (17-38)	24 (13-31)
6	68	67	63	56	49	42	35

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	10	8.1	6.0	4.6	3.5	2.7	2.0
1	17 (12-29)	14 (9.7-24)	11 (7.5-19)	8.3 (5.7-15)	6.3 (4.3-11)	4.8 (3.3-8.8)	3.7 (2.5-6.8)
2	27 (17-42)	22 (14-36)	18 (11-30)	14 (8.5-24)	11 (6.5-19)	8.4 (4.9-15)	6.5 (3.8-11)
3	38 (24-53)	33 (20-47)	28 (16-41)	22 (13-34)	18 (9.8-28)	14 (7.5-22)	11 (5.8-17)
4	50 (33-62)	45 (29-58)	40 (24-52)	33 (19-45)	27 (15-38)	22 (12-31)	17 (8.9-25)
5	60 (46-67)	58 (41-66)	53 (36-62)	46 (30-55)	39 (24-48)	33 (19-41)	27 (15-34)
6	66	67	65	59	52	45	38