Romania - 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 Romania. 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	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (0.9-2.8)	0.8 (0.5-1.5)	0.4 (0.3-0.8)	0.3 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.8 (1.4-6.0)	1.5 (0.8-3.3)	0.8 (0.4-1.8)	0.6 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)
3	5.3 (2.2-10)	2.9 (1.2-5.7)	1.6 (0.6-3.1)	1.2 (0.5-2.4)	1.0 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.2)
4	9.5 (3.8-15)	5.3 (2.1-8.6)	2.9 (1.1-4.8)	2.3 (0.9-3.7)	1.8 (0.7-2.9)	1.4 (0.5-2.3)	1.1 (0.4-1.8)
5	17 (7.9-22)	9.5 (4.4-13)	5.2 (2.4-7.1)	4.1 (1.9-5.5)	3.2 (1.4-4.3)	2.5 (1.1-3.4)	1.9 (0.9-2.6)
6	28	16	9.2	7.2	5.6	4.4	3.4

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.2	0.7	0.4	0.3	0.2	0.2	0.1
1	2.4 (1.6-4.2)	1.3 (0.9-2.3)	0.7 (0.5-1.2)	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	4.4 (2.4-8.6)	2.5 (1.3-4.8)	1.3 (0.7-2.7)	1.0 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.2)	0.5 (0.3-1.0)
3	8.0 (3.7-15)	4.5 (2.0-8.4)	2.5 (1.1-4.6)	1.9 (0.9-3.6)	1.5 (0.7-2.8)	1.2 (0.5-2.2)	0.9 (0.4-1.7)
4	14 (6.4-22)	8.0 (3.6-13)	4.4 (1.9-7.0)	3.5 (1.5-5.5)	2.7 (1.2-4.3)	2.1 (0.9-3.3)	1.6 (0.7-2.6)
5	23 (13-30)	14 (7.4-18)	7.8 (4.1-10)	6.1 (3.2-8.1)	4.8 (2.5-6.3)	3.7 (1.9-4.9)	2.9 (1.5-3.9)
6	37	23	13	10	8.2	6.4	5.0

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.1	1.1	0.6	0.5	0.4	0.3	0.2
1	3.8 (2.7-5.9)	2.1 (1.5-3.3)	1.2 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.9)	0.4 (0.3-0.7)
2	6.7 (4.0-12)	3.8 (2.2-6.8)	2.1 (1.2-3.8)	1.6 (1.0-3.0)	1.3 (0.7-2.3)	1.0 (0.6-1.8)	0.8 (0.4-1.4)
3	12 (6.0-20)	6.7 (3.4-12)	3.8 (1.9-6.7)	2.9 (1.5-5.2)	2.3 (1.1-4.1)	1.8 (0.9-3.2)	1.4 (0.7-2.5)
4	19 (10-29)	12 (5.9-17)	6.6 (3.3-10)	5.1 (2.6-7.9)	4.0 (2.0-6.1)	3.1 (1.5-4.8)	2.4 (1.2-3.7)
5	31 (20-38)	19 (12-24)	11 (6.8-15)	8.8 (5.3-11)	6.9 (4.2-9.0)	5.4 (3.2-7.0)	4.2 (2.5-5.5)
6	46	31	19	15	12	9.1	7.1

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.3	1.9	1.0	0.8	0.6	0.5	0.4
1	5.7 (4.3-8.0)	3.3 (2.5-4.6)	1.9 (1.4-2.6)	1.4 (1.1-2.0)	1.1 (0.8-1.6)	0.9 (0.6-1.2)	0.7 (0.5-0.9)
2	9.7 (6.2-15)	5.7 (3.6-9.3)	3.2 (2.0-5.4)	2.5 (1.6-4.2)	2.0 (1.2-3.2)	1.5 (0.9-2.5)	1.2 (0.7-2.0)
3	16 (9.3-25)	9.7 (5.4-16)	5.6 (3.1-9.3)	4.3 (2.4-7.3)	3.4 (1.9-5.7)	2.6 (1.4-4.4)	2.0 (1.1-3.4)
4	25 (16-36)	16 (9.4-23)	9.4 (5.4-14)	7.4 (4.2-11)	5.7 (3.3-8.5)	4.5 (2.5-6.7)	3.5 (2.0-5.2)
5	38 (28-45)	25 (18-31)	16 (11-20)	12 (8.5-15)	9.6 (6.6-12)	7.5 (5.2-9.6)	5.9 (4.0-7.5)
6	54	39	25	20	16	12	9.7

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.9	2.9	1.7	1.3	1.0	0.8	0.6
1	8.7 (6.8-10)	5.3 (4.2-6.2)	3.1 (2.4-3.5)	2.4 (1.9-2.8)	1.8 (1.5-2.1)	1.4 (1.1-1.7)	1.1 (0.9-1.3)
2	15 (10-20)	9.4 (6.3-13)	5.5 (3.7-7.4)	4.3 (2.9-5.8)	3.3 (2.2-4.5)	2.6 (1.7-3.5)	2.0 (1.3-2.7)
3	25 (17-34)	16 (11-23)	9.9 (6.4-15)	7.7 (5.0-11)	6.0 (3.9-9.0)	4.7 (3.0-7.0)	3.6 (2.3-5.4)
4	39 (29-51)	27 (20-37)	17 (13-24)	14 (9.8-19)	11 (7.6-15)	8.3 (5.9-12)	6.5 (4.6-9.4)
5	55 (49-63)	42 (37-49)	28 (25-34)	23 (20-28)	18 (15-22)	14 (12-18)	11 (9.5-14)
6	69	59	44	37	30	24	19

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	6.6	4.2	2.5	2.0	1.5	1.2	0.9
1	12 (8.7-21)	8.1 (5.8-14)	5.0 (3.6-8.6)	3.9 (2.8-6.7)	3.0 (2.1-5.2)	2.3 (1.6-4.0)	1.8 (1.3-3.1)
2	21 (13-34)	15 (8.7-24)	9.4 (5.4-16)	7.4 (4.2-13)	5.7 (3.2-9.9)	4.4 (2.5-7.7)	3.4 (1.9-5.9)
3	34 (21-49)	25 (15-38)	17 (9.4-27)	13 (7.3-22)	11 (5.6-17)	8.2 (4.4-13)	6.4 (3.4-10)
4	49 (32-63)	40 (25-54)	29 (16-42)	23 (13-34)	19 (10-28)	15 (7.8-22)	11 (6.0-18)
5	64 (47-73)	56 (38-66)	45 (28-54)	38 (23-46)	31 (18-38)	25 (14-31)	20 (11-25)
6	75	71	63	55	47	39	32

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.7	5.4	3.5	2.7	2.1	1.6	1.2
1	13 (9.5-23)	9.8 (6.9-17)	6.5 (4.7-12)	5.1 (3.6-9.0)	3.9 (2.8-7.0)	3.0 (2.1-5.4)	2.3 (1.6-4.1)
2	22 (14-36)	17 (10-28)	12 (7.1-20)	9.1 (5.5-16)	7.1 (4.2-12)	5.4 (3.2-9.5)	4.2 (2.4-7.3)
3	33 (20-47)	27 (15-40)	20 (11-32)	16 (8.3-25)	12 (6.4-20)	9.6 (4.9-16)	7.4 (3.8-12)
4	46 (29-58)	39 (24-52)	31 (18-43)	25 (14-36)	20 (11-29)	16 (8.4-23)	13 (6.5-18)
5	58 (42-67)	53 (36-62)	46 (29-55)	38 (23-47)	32 (18-39)	26 (14-32)	20 (11-26)
6	70	66	61	53	46	38	31

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.3	5.4	3.8	2.9	2.2	1.7	1.3
1	13 (8.8-22)	9.7 (6.7-17)	7.0 (4.9-12)	5.3 (3.7-9.6)	4.1 (2.8-7.4)	3.1 (2.2-5.7)	2.4 (1.6-4.4)
2	20 (13-34)	16 (10-27)	12 (7.3-20)	9.5 (5.6-16)	7.3 (4.3-13)	5.6 (3.3-9.8)	4.3 (2.5-7.5)
3	31 (19-44)	26 (15-38)	20 (11-31)	16 (8.6-25)	12 (6.6-20)	9.6 (5.0-16)	7.4 (3.8-12)
4	43 (26-55)	37 (22-49)	31 (17-42)	25 (14-35)	20 (11-29)	16 (8.1-23)	12 (6.2-18)
5	55 (39-64)	50 (33-60)	44 (28-54)	37 (22-46)	31 (17-38)	25 (14-32)	20 (11-26)
6	66	63	58	51	44	36	30

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.4	4.1	2.9	2.2	1.7	1.3	1.0
1	9.6 (6.6-17)	7.3 (5.0-13)	5.3 (3.7-9.6)	4.1 (2.8-7.4)	3.1 (2.1-5.7)	2.4 (1.6-4.3)	1.8 (1.2-3.3)
2	16 (9.7-27)	13 (7.5-21)	9.4 (5.6-16)	7.2 (4.2-13)	5.6 (3.2-9.7)	4.2 (2.4-7.5)	3.2 (1.8-5.7)
3	25 (14-37)	20 (11-31)	16 (8.5-25)	12 (6.5-20)	9.5 (5.0-16)	7.3 (3.8-12)	5.6 (2.9-9.3)
4	35 (21-47)	30 (17-41)	25 (13-35)	20 (10-28)	16 (7.9-23)	12 (6.1-18)	9.4 (4.6-14)
5	47 (31-56)	43 (27-52)	37 (22-45)	30 (17-38)	24 (13-31)	19 (10-25)	15 (7.9-20)
6	58	55	50	43	36	29	24