

Ecuador - 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 Ecuador. 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	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.3 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.1)
2	0.7 (0.3-1.5)	0.4 (0.2-0.8)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.3 (0.5-2.6)	0.7 (0.3-1.4)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
4	2.4 (0.9-3.9)	1.3 (0.5-2.1)	0.7 (0.3-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.5)	0.3 (0.1-0.4)
5	4.3 (1.9-5.8)	2.3 (1.1-3.2)	1.3 (0.6-1.7)	1.0 (0.4-1.3)	0.8 (0.3-1.0)	0.6 (0.3-0.8)	0.5 (0.2-0.6)
6	7.5	4.2	2.3	1.8	1.4	1.1	0.8

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.5 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	1.0 (0.6-2.0)	0.6 (0.3-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
3	1.9 (0.8-3.5)	1.0 (0.5-1.9)	0.6 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
4	3.4 (1.5-5.3)	1.9 (0.8-3.0)	1.0 (0.4-1.6)	0.8 (0.3-1.3)	0.6 (0.3-1.0)	0.5 (0.2-0.8)	0.4 (0.2-0.6)
5	5.9 (3.1-7.8)	3.3 (1.7-4.4)	1.8 (0.9-2.4)	1.4 (0.7-1.9)	1.1 (0.6-1.5)	0.8 (0.4-1.1)	0.7 (0.3-0.9)
6	10	5.7	3.2	2.5	1.9	1.5	1.2

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.3	0.1	0.1	0.1	0.1	0.1
1	0.8 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	1.5 (0.9-2.8)	0.9 (0.5-1.6)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.7 (1.4-4.9)	1.5 (0.8-2.7)	0.8 (0.4-1.5)	0.7 (0.3-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)
4	4.8 (2.4-7.3)	2.7 (1.3-4.1)	1.5 (0.7-2.3)	1.2 (0.6-1.8)	0.9 (0.4-1.4)	0.7 (0.3-1.1)	0.5 (0.3-0.8)
5	8.1 (4.9-11)	4.6 (2.8-6.1)	2.6 (1.5-3.4)	2.0 (1.2-2.6)	1.6 (0.9-2.1)	1.2 (0.7-1.6)	0.9 (0.6-1.2)
6	14	7.9	4.4	3.5	2.7	2.1	1.6

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.4	0.2	0.2	0.1	0.1	0.1
1	1.3 (1.0-1.9)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	2.3 (1.5-3.8)	1.3 (0.8-2.2)	0.7 (0.5-1.2)	0.6 (0.4-1.0)	0.4 (0.3-0.7)	0.3 (0.2-0.6)	0.3 (0.2-0.4)
3	4.0 (2.2-6.7)	2.3 (1.3-3.8)	1.3 (0.7-2.2)	1.0 (0.5-1.7)	0.8 (0.4-1.3)	0.6 (0.3-1.0)	0.5 (0.3-0.8)
4	6.7 (3.9-10)	3.9 (2.2-5.8)	2.2 (1.2-3.3)	1.7 (1.0-2.5)	1.3 (0.7-2.0)	1.0 (0.6-1.5)	0.8 (0.4-1.2)
5	11 (7.7-14)	6.6 (4.5-8.4)	3.7 (2.6-4.8)	2.9 (2.0-3.7)	2.3 (1.5-2.9)	1.7 (1.2-2.3)	1.4 (0.9-1.7)
6	18	11	6.3	4.9	3.8	3.0	2.3

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.4	0.8	0.5	0.3	0.3	0.2	0.2
1	2.5 (2.0-3.0)	1.5 (1.2-1.7)	0.8 (0.7-1.0)	0.6 (0.5-0.7)	0.5 (0.4-0.6)	0.4 (0.3-0.4)	0.3 (0.2-0.3)
2	4.5 (3.0-6.2)	2.7 (1.8-3.6)	1.5 (1.0-2.0)	1.2 (0.8-1.6)	0.9 (0.6-1.2)	0.7 (0.5-0.9)	0.5 (0.4-0.7)
3	8.0 (5.2-12)	4.8 (3.1-7.2)	2.8 (1.8-4.2)	2.2 (1.4-3.2)	1.7 (1.1-2.5)	1.3 (0.8-1.9)	1.0 (0.6-1.5)
4	14 (9.8-20)	8.5 (6.1-12)	5.0 (3.6-7.3)	3.9 (2.8-5.7)	3.0 (2.2-4.4)	2.3 (1.7-3.4)	1.8 (1.3-2.7)
5	23 (19-28)	15 (12-18)	8.9 (7.5-11)	6.9 (5.9-8.5)	5.4 (4.5-6.7)	4.2 (3.5-5.2)	3.2 (2.7-4.0)
6	36	25	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 women from Ecuador.

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.6	1.6	0.9	0.7	0.5	0.4	0.3
1	5.0 (3.5-8.7)	3.1 (2.2-5.4)	1.8 (1.3-3.1)	1.4 (1.0-2.4)	1.1 (0.8-1.9)	0.8 (0.6-1.5)	0.6 (0.5-1.1)
2	9.3 (5.3-15)	5.9 (3.3-10)	3.5 (2.0-6.2)	2.7 (1.5-4.8)	2.1 (1.2-3.7)	1.6 (0.9-2.9)	1.3 (0.7-2.2)
3	16 (9.2-26)	11 (5.8-18)	6.7 (3.5-11)	5.2 (2.7-8.6)	4.0 (2.1-6.7)	3.1 (1.6-5.2)	2.4 (1.2-4.0)
4	27 (16-39)	19 (10-28)	12 (6.3-19)	9.5 (4.9-15)	7.4 (3.8-12)	5.8 (2.9-9.0)	4.5 (2.3-7.0)
5	42 (26-51)	31 (18-39)	21 (12-27)	17 (9.4-21)	13 (7.3-17)	10 (5.6-13)	8.1 (4.4-10)
6	57	48	35	28	23	18	14

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.3	2.8	1.7	1.3	1.0	0.8	0.6
1	7.9 (5.6-14)	5.3 (3.8-9.4)	3.3 (2.4-5.9)	2.6 (1.9-4.6)	2.0 (1.4-3.5)	1.5 (1.1-2.7)	1.2 (0.8-2.1)
2	14 (8.3-23)	9.6 (5.7-16)	6.2 (3.7-11)	4.8 (2.8-8.6)	3.7 (2.2-6.6)	2.8 (1.7-5.1)	2.2 (1.3-3.9)
3	22 (13-34)	16 (8.7-26)	11 (5.6-18)	8.6 (4.4-15)	6.6 (3.4-11)	5.1 (2.6-8.8)	4.0 (2.0-6.8)
4	33 (19-45)	26 (15-37)	19 (9.7-27)	15 (7.5-21)	12 (5.8-17)	9.0 (4.5-13)	7.0 (3.5-10)
5	46 (30-55)	39 (24-48)	30 (17-37)	24 (13-30)	19 (10-24)	15 (8.1-19)	12 (6.3-15)
6	59	54	45	37	31	25	20

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.3	4.5	3.0	2.3	1.8	1.4	1.0
1	11 (7.6-19)	8.2 (5.8-15)	5.7 (4.0-10)	4.3 (3.1-7.8)	3.3 (2.3-6.0)	2.6 (1.8-4.6)	1.9 (1.4-3.6)
2	18 (11-30)	14 (8.6-24)	10 (6.1-17)	7.8 (4.7-13)	6.0 (3.6-10)	4.6 (2.7-8.0)	3.6 (2.1-6.2)
3	27 (16-40)	23 (13-34)	17 (9.2-27)	13 (7.1-22)	10 (5.5-17)	8.1 (4.2-14)	6.3 (3.2-10)
4	38 (23-50)	34 (19-45)	27 (15-38)	22 (12-31)	17 (9.1-25)	14 (7.0-20)	11 (5.3-16)
5	50 (34-59)	46 (30-55)	40 (24-49)	33 (19-41)	27 (15-34)	22 (12-28)	17 (9.1-22)
6	62	59	54	47	39	33	26

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.6	5.9	4.2	3.2	2.5	1.9	1.4
1	13 (8.9-23)	10 (7.1-18)	7.7 (5.4-14)	5.9 (4.1-11)	4.5 (3.1-8.2)	3.4 (2.4-6.3)	2.6 (1.8-4.8)
2	21 (13-34)	17 (11-29)	13 (8.0-22)	10 (6.2-18)	8.0 (4.7-14)	6.1 (3.6-11)	4.7 (2.7-8.3)
3	30 (18-44)	26 (15-39)	21 (12-33)	17 (9.3-27)	13 (7.2-21)	10 (5.5-17)	8.0 (4.2-13)
4	42 (26-54)	38 (22-49)	32 (18-44)	26 (14-36)	21 (11-30)	17 (8.5-24)	13 (6.5-19)
5	54 (37-62)	50 (33-59)	45 (29-54)	38 (23-47)	32 (18-40)	26 (14-33)	21 (11-27)
6	64	62	58	51	44	37	30