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Chile - 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 Chile. 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	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.6 (0.4-1.3)	0.3 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	1.3 (0.6-2.7)	0.7 (0.3-1.5)	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)
3	2.4 (1.0-4.7)	1.3 (0.5-2.6)	0.7 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)	0.3 (0.1-0.7)	0.3 (0.1-0.5)
4	4.4 (1.7-7.1)	2.4 (0.9-3.9)	1.3 (0.5-2.1)	1.0 (0.4-1.7)	0.8 (0.3-1.3)	0.6 (0.2-1.0)	0.5 (0.2-0.8)
5	7.8 (3.6-11)	4.3 (2.0-5.8)	2.3 (1.1-3.2)	1.8 (0.8-2.5)	1.4 (0.6-1.9)	1.1 (0.5-1.5)	0.9 (0.4-1.2)
6	14	7.6	4.2	3.2	2.5	2.0	1.5

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

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	1.2 (0.8-2.1)	0.6 (0.4-1.1)	0.3 (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	2.2 (1.2-4.3)	1.2 (0.7-2.4)	0.6 (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	4.0 (1.8-7.5)	2.2 (1.0-4.2)	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	7.2 (3.2-11)	4.0 (1.7-6.3)	2.2 (0.9-3.4)	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	12 (6.6-16)	7.0 (3.7-9.3)	3.9 (2.0-5.1)	3.0 (1.6-4.0)	2.3 (1.2-3.1)	1.8 (0.9-2.4)	1.4 (0.7-1.9)
6	21	12	6.7	5.2	4.1	3.2	2.5

Age = 60 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	2.2 (1.6-3.5)	1.2 (0.9-1.9)	0.7 (0.5-1.0)	0.5 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)
2	4.0 (2.3-7.2)	2.2 (1.3-4.0)	1.2 (0.7-2.2)	0.9 (0.6-1.7)	0.7 (0.4-1.3)	0.6 (0.3-1.0)	0.4 (0.3-0.8)
3	7.0 (3.6-12)	3.9 (2.0-7.0)	2.2 (1.1-3.9)	1.7 (0.8-3.0)	1.3 (0.7-2.4)	1.0 (0.5-1.8)	0.8 (0.4-1.4)
4	12 (6.2-18)	6.9 (3.5-11)	3.8 (1.9-5.9)	3.0 (1.5-4.6)	2.3 (1.1-3.6)	1.8 (0.9-2.8)	1.4 (0.7-2.2)
5	20 (12-25)	12 (7.2-15)	6.6 (4.0-8.6)	5.2 (3.1-6.8)	4.0 (2.4-5.3)	3.1 (1.9-4.1)	2.4 (1.5-3.2)
6	32	19	11	8.8	6.9	5.4	4.2

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.4	1.3	0.7	0.6	0.4	0.3	0.3
1	4.1 (3.1-5.8)	2.3 (1.7-3.3)	1.3 (1.0-1.8)	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.6 (0.4-0.8)	0.5 (0.3-0.7)
2	7.1 (4.5-11)	4.1 (2.5-6.7)	2.3 (1.4-3.8)	1.8 (1.1-2.9)	1.4 (0.9-2.3)	1.1 (0.7-1.8)	0.8 (0.5-1.4)
3	12 (6.8-19)	6.9 (3.9-12)	3.9 (2.2-6.6)	3.0 (1.7-5.1)	2.4 (1.3-4.0)	1.8 (1.0-3.1)	1.4 (0.8-2.4)
4	19 (12-28)	12 (6.7-17)	6.7 (3.8-9.9)	5.2 (2.9-7.7)	4.1 (2.3-6.0)	3.2 (1.8-4.7)	2.5 (1.4-3.7)
5	30 (22-37)	19 (13-24)	11 (7.8-14)	8.8 (6.1-11)	6.9 (4.7-8.8)	5.4 (3.7-6.9)	4.2 (2.9-5.4)
6	45	30	18	14	11	8.9	7.0

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.6	2.7	1.5	1.2	0.9	0.7	0.5
1	8.2 (6.5-9.6)	4.8 (3.8-5.6)	2.8 (2.2-3.2)	2.1 (1.7-2.5)	1.7 (1.3-1.9)	1.3 (1.0-1.5)	1.0 (0.8-1.2)
2	14 (9.7-19)	8.7 (5.8-12)	5.0 (3.3-6.7)	3.9 (2.6-5.2)	3.0 (2.0-4.0)	2.3 (1.6-3.1)	1.8 (1.2-2.4)
3	24 (16-33)	15 (10-22)	9.0 (5.8-13)	7.0 (4.5-10)	5.5 (3.5-8.2)	4.3 (2.7-6.4)	3.3 (2.1-5.0)
4	38 (28-50)	25 (19-35)	16 (12-22)	12 (9.1-18)	9.7 (7.1-14)	7.6 (5.5-11)	5.9 (4.3-8.6)
5	54 (49-63)	40 (35-47)	26 (23-32)	21 (18-26)	17 (14-20)	13 (11-16)	10 (8.9-13)
6	70	58	42	35	28	23	18

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	7.9	4.8	2.8	2.2	1.7	1.3	1.0
1	15 (11-25)	9.4 (6.8-16)	5.6 (4.1-9.5)	4.3 (3.1-7.4)	3.4 (2.4-5.8)	2.6 (1.9-4.5)	2.0 (1.4-3.5)
2	26 (16-39)	17 (10-28)	11 (6.1-18)	8.3 (4.8-14)	6.5 (3.7-11)	5.0 (2.9-8.8)	3.9 (2.2-6.9)
3	40 (26-56)	29 (17-44)	19 (11-30)	15 (8.3-24)	12 (6.4-19)	9.4 (5.0-15)	7.3 (3.9-12)
4	57 (39-71)	46 (29-61)	32 (18-46)	26 (14-38)	21 (11-31)	17 (8.9-25)	13 (6.9-20)
5	71 (55-78)	63 (45-73)	50 (32-60)	42 (26-51)	35 (21-43)	29 (17-36)	23 (13-29)
6	80	77	69	61	53	45	37

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	11	7.0	4.3	3.3	2.6	2.0	1.5
1	19 (14-31)	13 (9.5-22)	8.2 (6.0-14)	6.3 (4.7-11)	4.9 (3.6-8.7)	3.8 (2.8-6.7)	2.9 (2.1-5.2)
2	30 (20-47)	22 (14-36)	15 (9.0-25)	12 (7.0-20)	9.0 (5.4-16)	7.0 (4.2-13)	5.4 (3.2-9.8)
3	44 (29-60)	35 (21-52)	25 (14-39)	20 (11-32)	16 (8.3-26)	12 (6.4-21)	9.8 (5.0-16)
4	58 (41-70)	50 (33-64)	39 (23-53)	32 (18-44)	26 (14-37)	21 (11-30)	17 (8.6-24)
5	70 (55-77)	65 (48-74)	56 (37-65)	48 (30-57)	41 (24-49)	34 (19-41)	27 (15-34)
6	79	77	72	65	57	49	41

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	12	8.5	5.6	4.3	3.3	2.5	2.0
1	20 (15-33)	15 (11-26)	10 (7.5-18)	8.0 (5.8-14)	6.2 (4.5-11)	4.8 (3.4-8.6)	3.7 (2.6-6.6)
2	31 (21-48)	25 (16-39)	18 (11-30)	14 (8.7-24)	11 (6.7-19)	8.6 (5.2-15)	6.7 (3.9-12)
3	44 (29-59)	37 (23-53)	29 (17-44)	24 (13-37)	19 (10-30)	15 (7.9-24)	12 (6.1-19)
4	57 (39-69)	51 (34-64)	43 (27-57)	36 (21-49)	30 (17-41)	24 (13-34)	19 (10-27)
5	68 (53-75)	64 (48-72)	58 (40-68)	51 (33-60)	44 (27-53)	36 (22-45)	30 (17-37)
6	76	75	72	65	58	51	43

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	11	8.3	5.7	4.3	3.3	2.5	1.9
1	19 (14-32)	15 (10-25)	10 (7.4-18)	8.0 (5.7-14)	6.2 (4.4-11)	4.7 (3.3-8.5)	3.6 (2.5-6.6)
2	30 (20-46)	24 (15-38)	18 (11-29)	14 (8.5-23)	11 (6.5-18)	8.5 (5.0-14)	6.5 (3.8-11)
3	42 (28-57)	36 (22-51)	29 (16-43)	23 (13-36)	18 (9.9-29)	14 (7.7-23)	11 (5.9-18)
4	54 (37-66)	49 (32-62)	42 (26-55)	35 (20-47)	29 (16-40)	23 (12-33)	18 (9.6-26)
5	65 (51-72)	62 (46-70)	57 (39-66)	49 (32-59)	42 (26-51)	35 (20-43)	29 (16-36)
6	72	72	69	63	56	49	41