Mexico - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD , the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Mexico. The range is not a confidence interval, but because the weight of different risk factors varies, is a true range.

Note that the BMI is set at 24 kg/m².

Age = 50 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	8.5	4.4	2.3	1.2	0.6	0.3	0.2	0.1	0.0	0.0	0.0
1	13 (8.9-17)	7.1 (4.7-9.2)	3.7 (2.4-4.8)	1.9 (1.2-2.5)	1.0 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	21 (12-30)	11 (6.6-17)	5.8 (3.4-8.8)	3.0 (1.7-4.6)	1.6 (0.9-2.4)	0.8 (0.5-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	30 (18-45)	17 (9.8-27)	9.1 (5.1-15)	4.8 (2.7-7.8)	2.5 (1.4-4.1)	1.3 (0.7-2.1)	0.6 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.0 (0.0-0.1)
4	43 (29-60)	25 (16-38)	14 (8.7-22)	7.4 (4.5-12)	3.8 (2.3-6.1)	2.0 (1.2-3.2)	1.0 (0.6-1.6)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
5	58 (47-72)	36 (28-49)	21 (16-29)	11 (8.3-16)	5.9 (4.3-8.6)	3.1 (2.2-4.5)	1.6 (1.1-2.3)	0.8 (0.6-1.2)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
6	74	50	30	17	9.0	4.7	2.4	1.3	0.7	0.4	0.2

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

Age = 55 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	9.1	5.0	2.7	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	14 (9.5-17)	7.8 (5.2-9.6)	4.3 (2.8-5.3)	2.3 (1.5-2.9)	1.2 (0.8-1.5)	0.7 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	21 (13-29)	12 (7.4-17)	6.7 (4.0-9.6)	3.6 (2.2-5.3)	2.0 (1.2-2.9)	1.1 (0.6-1.6)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
3	31 (20-44)	18 (11-27)	10 (6.1-16)	5.6 (3.3-8.9)	3.1 (1.8-4.9)	1.7 (1.0-2.6)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
4	43 (31-58)	26 (18-38)	15 (10-23)	8.6 (5.6-13)	4.7 (3.1-7.3)	2.6 (1.7-4.0)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.1 (0.1-0.2)
5	57 (49-70)	37 (31-49)	23 (18-31)	13 (10-18)	7.2 (5.6-10)	3.9 (3.1-5.7)	2.1 (1.7-3.1)	1.2 (0.9-1.7)	0.7 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
6	72	51	32	19	11	5.9	3.2	1.8	1.0	0.6	0.3

Age = 60 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	10	5.8	3.3	1.8	1.0	0.6	0.3	0.2	0.1	0.1	0.0
1	15 (11-18)	8.9 (6.1-10)	5.1 (3.5-6.0)	2.9 (1.9-3.4)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	23 (15-30)	13 (8.6-18)	7.8 (4.9-11)	4.4 (2.7-6.1)	2.5 (1.5-3.4)	1.4 (0.9-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	32 (22-45)	20 (13-28)	12 (7.3-17)	6.7 (4.2-10)	3.8 (2.3-5.8)	2.1 (1.3-3.3)	1.2 (0.7-1.9)	0.7 (0.4-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	44 (34-58)	28 (21-40)	17 (12-25)	10 (7.0-15)	5.8 (4.0-8.6)	3.3 (2.2-4.9)	1.9 (1.3-2.8)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.4 (0.3-0.6)	0.2 (0.1-0.3)
5	58 (52-70)	39 (34-51)	25 (21-33)	15 (12-20)	8.6 (7.1-12)	4.9 (4.0-6.9)	2.8 (2.3-4.0)	1.6 (1.3-2.3)	1.0 (0.8-1.4)	0.6 (0.5-0.8)	0.3 (0.3-0.5)
6	72	52	35	21	13	7.3	4.2	2.5	1.4	0.8	0.5

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

Age = 65 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	6.9	4.0	2.4	1.4	0.8	0.5	0.3	0.2	0.1	0.1
1	17 (12-20)	10 (7.2-12)	6.1 (4.2-7.3)	3.6 (2.5-4.3)	2.1 (1.4-2.5)	1.2 (0.8-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	24 (17-31)	15 (10-19)	9.1 (6.0-12)	5.4 (3.5-7.1)	3.2 (2.1-4.2)	1.9 (1.2-2.5)	1.1 (0.7-1.5)	0.7 (0.4-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
3	34 (24-45)	22 (15-30)	13 (9.0-19)	8.1 (5.3-11)	4.8 (3.1-6.9)	2.8 (1.8-4.1)	1.7 (1.1-2.5)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.6)	0.2 (0.1-0.3)
4	45 (37-58)	30 (24-41)	19 (15-27)	12 (8.7-17)	7.1 (5.2-10)	4.2 (3.0-6.1)	2.5 (1.8-3.7)	1.5 (1.1-2.3)	0.9 (0.7-1.4)	0.6 (0.4-0.8)	0.3 (0.2-0.5)
5	58 (53-69)	41 (36-52)	27 (23-36)	17 (14-23)	10 (8.6-14)	6.2 (5.1-8.6)	3.8 (3.1-5.3)	2.3 (1.9-3.2)	1.4 (1.1-2.0)	0.8 (0.7-1.2)	0.5 (0.4-0.7)
6	71	54	37	24	15	9.0	5.5	3.4	2.1	1.2	0.8

Age = 70 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	13	8.4	5.2	3.2	1.9	1.2	0.8	0.5	0.3	0.2	0.1
1	21 (19-26)	14 (12-17)	8.6 (7.3-11)	5.3 (4.5-6.7)	3.2 (2.7-4.1)	2.0 (1.7-2.5)	1.3 (1.1-1.6)	0.8 (0.7-1.0)	0.5 (0.4-0.6)	0.3 (0.3-0.4)	0.2 (0.2-0.3)
2	32 (27-41)	22 (17-28)	14 (11-18)	8.7 (6.8-12)	5.4 (4.2-7.3)	3.3 (2.6-4.6)	2.1 (1.6-2.9)	1.3 (1.0-1.8)	0.8 (0.6-1.2)	0.5 (0.4-0.7)	0.3 (0.3-0.5)
3	47 (38-55)	33 (25-40)	22 (16-28)	14 (10-18)	8.8 (6.4-12)	5.5 (4.0-7.3)	3.5 (2.5-4.7)	2.2 (1.6-3.0)	1.4 (1.0-1.9)	0.9 (0.6-1.2)	0.6 (0.4-0.8)
4	62 (52-68)	47 (37-53)	33 (25-39)	22 (16-26)	14 (10-17)	9.0 (6.5-11)	5.8 (4.1-7.2)	3.7 (2.6-4.6)	2.3 (1.7-2.9)	1.5 (1.1-1.9)	0.9 (0.7-1.2)
5	75 (68-78)	62 (54-66)	47 (39-51)	33 (27-37)	22 (17-25)	14 (11-16)	9.3 (7.3-11)	6.0 (4.7-6.9)	3.8 (3.0-4.4)	2.4 (1.9-2.8)	1.5 (1.2-1.8)
6	83	75	62	47	33	22	15	9.7	6.3	4.0	2.5

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

Age = 75 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	9.7	6.3	4.0	2.6	1.7	1.1	0.7	0.5	0.3	0.2
1	26 (20-48)	18 (13-35)	12 (8.8-24)	7.8 (5.7-16)	5.1 (3.6-11)	3.4 (2.4-7.1)	2.2 (1.6-4.8)	1.5 (1.0-3.2)	1.0 (0.7-2.1)	0.6 (0.4-1.4)	0.4 (0.3-0.9)
2	41 (27-65)	30 (19-51)	21 (12-38)	14 (8.0-27)	9.4 (5.1-18)	6.3 (3.4-12)	4.2 (2.2-8.3)	2.8 (1.5-5.6)	1.9 (1.0-3.7)	1.2 (0.6-2.5)	0.8 (0.4-1.6)
3	57 (38-75)	45 (27-64)	34 (18-51)	24 (12-38)	16 (7.7-27)	11 (5.1-19)	7.6 (3.4-13)	5.1 (2.2-8.9)	3.4 (1.5-6.0)	2.3 (1.0-4.0)	1.5 (0.6-2.6)
4	72 (52-82)	62 (38-74)	50 (27-63)	37 (18-50)	27 (12-37)	19 (8.2-27)	13 (5.5-19)	8.9 (3.7-13)	6.0 (2.4-8.9)	4.0 (1.6-6.0)	2.7 (1.1-4.0)
5	82 (66-86)	75 (53-81)	66 (41-72)	54 (29-61)	41 (20-47)	30 (14-36)	22 (9.5-26)	15 (6.4-18)	10 (4.3-12)	7.0 (2.8-8.4)	4.7 (1.9-5.7)
6	87	84	79	70	58	46	34	25	17	12	7.9

Age = 80 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	14	9.3	6.3	4.2	2.8	2.0	1.4	0.9	0.6	0.4	0.3
1	24 (17-45)	17 (12-34)	12 (8.2-24)	8.1 (5.5-17)	5.5 (3.7-12)	3.9 (2.6-8.3)	2.7 (1.8-5.8)	1.9 (1.2-4.0)	1.3 (0.9-2.8)	0.9 (0.6-1.9)	0.6 (0.4-1.3)
2	37 (24-61)	28 (17-49)	20 (11-37)	14 (7.7-27)	10 (5.3-20)	7.1 (3.7-14)	5.0 (2.5-10)	3.5 (1.8-7.0)	2.4 (1.2-4.9)	1.7 (0.8-3.4)	1.2 (0.6-2.4)
3	53 (33-72)	42 (24-61)	32 (17-49)	24 (12-38)	17 (7.9-28)	12 (5.5-21)	8.8 (3.8-15)	6.2 (2.7-11)	4.3 (1.8-7.7)	3.0 (1.3-5.4)	2.1 (0.9-3.8)
4	67 (45-79)	58 (34-71)	47 (25-61)	37 (18-50)	27 (12-39)	20 (8.7-30)	15 (6.1-22)	11 (4.3-16)	7.5 (3.0-11)	5.3 (2.1-8.1)	3.7 (1.4-5.7)
5	78 (59-83)	72 (48-78)	63 (37-70)	52 (28-60)	41 (20-49)	32 (14-39)	24 (10-29)	17 (7.3-22)	13 (5.1-16)	8.9 (3.6-11)	6.3 (2.5-8.0)
6	85	82	76	67	57	47	36	27	20	15	10

FRAX® WHO Fracture Risk Assessment Tool

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

Age = 85 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	11	8.0	5.6	4.0	2.9	2.1	1.5	1.1	0.8	0.6	0.4
1	20 (14-38)	15 (10-29)	11 (7.4-22)	7.6 (5.2-16)	5.6 (3.8-12)	4.1 (2.8-8.8)	3.0 (2.0-6.5)	2.2 (1.5-4.7)	1.6 (1.1-3.5)	1.1 (0.8-2.5)	0.8 (0.6-1.8)
2	32 (20-52)	24 (14-43)	18 (10-33)	13 (7.3-25)	10 (5.3-19)	7.4 (3.9-15)	5.5 (2.8-11)	4.0 (2.1-8.1)	2.9 (1.5-5.9)	2.1 (1.1-4.3)	1.6 (0.8-3.2)
3	45 (28-64)	37 (21-55)	29 (15-45)	22 (11-35)	17 (8.0-27)	13 (5.9-21)	9.6 (4.3-16)	7.1 (3.1-12)	5.2 (2.3-9.0)	3.8 (1.6-6.7)	2.8 (1.2-4.9)
4	60 (38-72)	51 (29-64)	42 (22-55)	34 (16-45)	27 (12-37)	21 (9.0-30)	16 (6.7-23)	12 (4.9-18)	8.9 (3.6-13)	6.6 (2.6-10)	4.9 (1.9-7.4)
5	72 (50-77)	65 (41-71)	57 (32-64)	48 (25-55)	39 (19-47)	32 (15-38)	25 (11-31)	19 (8.1-24)	15 (6.0-18)	11 (4.5-14)	8.2 (3.3-10)
6	80	76	70	62	54	46	37	30	23	18	13

Age = 90 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	8.9	6.6	4.9	3.7	2.9	2.2	1.7	1.3	1.0	0.8	0.6
1	16 (11-32)	12 (8.6-25)	9.2 (6.5-19)	7.0 (4.9-15)	5.5 (3.7-12)	4.2 (2.9-9.2)	3.3 (2.2-7.1)	2.5 (1.7-5.5)	1.9 (1.3-4.2)	1.5 (1.0-3.2)	1.1 (0.8-2.5)
2	26 (16-44)	20 (12-36)	16 (9.0-29)	12 (6.8-23)	9.7 (5.3-19)	7.6 (4.1-15)	5.9 (3.1-12)	4.6 (2.4-9.1)	3.6 (1.8-7.1)	2.7 (1.4-5.5)	2.1 (1.1-4.2)
3	38 (22-55)	31 (17-47)	25 (13-39)	20 (10-32)	16 (7.9-26)	13 (6.1-21)	10 (4.7-17)	8.0 (3.6-13)	6.2 (2.8-11)	4.8 (2.1-8.2)	3.7 (1.6-6.4)
4	51 (31-64)	44 (24-57)	37 (19-49)	31 (15-41)	25 (12-35)	21 (9.2-29)	17 (7.2-24)	13 (5.6-19)	10 (4.3-15)	8.2 (3.3-12)	6.4 (2.5-9.5)
5	64 (41-70)	58 (34-64)	51 (28-58)	44 (22-51)	37 (18-44)	31 (14-37)	26 (11-31)	21 (9.0-26)	17 (7.0-21)	13 (5.5-17)	11 (4.2-13)
6	75	70	64	58	51	45	38	32	26	21	17