Mexico - The probabilities of a hip fracture in men

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	11	6.1	3.3	1.7	0.9	0.5	0.3	0.1	0.1	0.0	0.0
1	17 (12-23)	9.6 (6.4-13)	5.2 (3.4-6.8)	2.8 (1.8-3.7)	1.5 (1.0-1.9)	0.8 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	26 (16-37)	15 (9.0-22)	8.1 (4.8-12)	4.3 (2.6-6.6)	2.3 (1.4-3.5)	1.2 (0.7-1.9)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	37 (24-52)	22 (13-33)	12 (7.3-19)	6.8 (3.9-11)	3.6 (2.1-5.8)	1.9 (1.1-3.1)	1.0 (0.6-1.6)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
4	50 (36-65)	32 (21-45)	19 (12-28)	10 (6.5-16)	5.6 (3.5-8.7)	3.0 (1.8-4.7)	1.6 (1.0-2.5)	0.8 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.1 (0.1-0.2)
5	64 (54-75)	44 (35-56)	27 (20-36)	15 (11-22)	8.5 (6.2-12)	4.6 (3.3-6.6)	2.4 (1.7-3.5)	1.3 (0.9-1.9)	0.7 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.1-0.3)
6	76	58	38	23	13	6.9	3.7	2.0	1.0	0.6	0.3

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	12	6.8	3.8	2.1	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	18 (13-22)	10 (7.1-13)	5.8 (3.9-7.3)	3.2 (2.2-4.0)	1.8 (1.2-2.2)	1.0 (0.7-1.2)	0.5 (0.4-0.7)	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	26 (17-36)	16 (9.9-22)	8.9 (5.6-13)	5.0 (3.1-7.1)	2.8 (1.7-4.0)	1.5 (0.9-2.2)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
3	37 (25-49)	23 (15-32)	13 (8.3-20)	7.6 (4.6-11)	4.2 (2.6-6.4)	2.3 (1.4-3.6)	1.3 (0.8-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)
4	49 (37-62)	32 (23-44)	20 (13-28)	11 (7.6-17)	6.4 (4.2-9.6)	3.6 (2.3-5.4)	2.0 (1.3-3.0)	1.1 (0.7-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	62 (54-72)	43 (36-55)	28 (22-37)	17 (13-23)	9.5 (7.4-13)	5.4 (4.1-7.6)	3.0 (2.3-4.2)	1.6 (1.3-2.3)	0.9 (0.7-1.3)	0.5 (0.4-0.8)	0.3 (0.2-0.4)
6	73	56	38	24	14	8.0	4.5	2.5	1.4	0.8	0.5

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	11	6.9	4.1	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 (4.3-7.2)	3.6 (2.5-4.3)	2.1 (1.5-2.5)	1.2 (0.8-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	24 (17-31)	15 (10-20)	9.1 (6.0-12)	5.4 (3.5-7.4)	3.2 (2.1-4.4)	1.9 (1.2-2.6)	1.1 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	33 (24-43)	22 (15-29)	13 (9.0-19)	8.1 (5.3-11)	4.8 (3.1-6.9)	2.8 (1.8-4.1)	1.7 (1.1-2.4)	1.0 (0.6-1.4)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	44 (35-55)	30 (23-40)	19 (14-27)	12 (8.5-17)	7.1 (5.0-10)	4.2 (3.0-6.2)	2.5 (1.7-3.7)	1.5 (1.0-2.2)	0.9 (0.6-1.3)	0.5 (0.4-0.8)	0.3 (0.2-0.5)
5	55 (49-65)	40 (35-50)	27 (23-35)	17 (14-23)	10 (8.6-14)	6.2 (5.1-8.6)	3.7 (3.0-5.2)	2.2 (1.8-3.1)	1.3 (1.1-1.9)	0.8 (0.7-1.1)	0.5 (0.4-0.7)
6	66	51	36	24	15	9.1	5.4	3.2	1.9	1.2	0.7

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	7.0	4.4	2.7	1.7	1.1	0.7	0.4	0.3	0.2	0.1
1	16 (12-18)	10 (7.4-12)	6.5 (4.6-7.4)	4.1 (2.9-4.7)	2.5 (1.8-2.9)	1.6 (1.1-1.8)	1.0 (0.7-1.1)	0.6 (0.4-0.7)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.2 (0.1-0.2)
2	22 (16-28)	15 (10-19)	9.4 (6.5-12)	6.0 (4.1-7.7)	3.7 (2.5-4.9)	2.3 (1.6-3.0)	1.4 (1.0-1.9)	0.9 (0.6-1.2)	0.6 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.2-0.3)
3	30 (23-38)	20 (15-26)	13 (9.7-18)	8.6 (6.1-11)	5.5 (3.8-7.4)	3.4 (2.4-4.7)	2.1 (1.5-2.9)	1.3 (0.9-1.8)	0.9 (0.6-1.2)	0.5 (0.4-0.8)	0.3 (0.2-0.5)
4	39 (32-48)	28 (22-36)	19 (15-25)	12 (9.4-17)	7.9 (6.0-11)	5.0 (3.8-7.0)	3.1 (2.3-4.4)	2.0 (1.5-2.8)	1.3 (0.9-1.8)	0.8 (0.6-1.2)	0.5 (0.4-0.7)
5	49 (45-57)	37 (33-45)	26 (23-33)	17 (15-23)	11 (9.8-15)	7.2 (6.2-9.7)	4.5 (3.9-6.2)	2.9 (2.5-3.9)	1.8 (1.6-2.6)	1.2 (1.0-1.6)	0.8 (0.6-1.1)
6	59	46	34	24	16	10	6.5	4.1	2.7	1.7	1.1

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	11	7.4	5.0	3.3	2.2	1.4	0.9	0.6	0.4	0.3	0.2
1	17 (15-22)	12 (10-15)	7.9 (6.9-10)	5.3 (4.6-6.9)	3.5 (3.1-4.6)	2.3 (2.0-3.0)	1.5 (1.3-2.0)	1.0 (0.9-1.3)	0.7 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.3-0.4)
2	25 (21-31)	18 (15-23)	12 (10-16)	8.4 (6.9-11)	5.6 (4.6-7.5)	3.7 (3.0-5.0)	2.5 (2.0-3.3)	1.7 (1.3-2.2)	1.1 (0.9-1.5)	0.8 (0.6-1.0)	0.5 (0.4-0.7)
3	36 (29-42)	26 (21-32)	19 (15-23)	13 (10-16)	8.9 (6.9-11)	6.0 (4.6-7.6)	4.0 (3.1-5.1)	2.7 (2.1-3.4)	1.8 (1.4-2.3)	1.2 (0.9-1.6)	0.8 (0.6-1.1)
4	47 (39-53)	37 (30-43)	27 (22-32)	20 (15-23)	14 (10-16)	9.4 (7.0-11)	6.3 (4.7-7.6)	4.3 (3.2-5.2)	2.9 (2.2-3.5)	2.0 (1.5-2.4)	1.4 (1.0-1.6)
5	58 (50-62)	48 (40-52)	38 (31-41)	28 (22-31)	21 (16-22)	14 (11-16)	9.8 (7.5-11)	6.8 (5.1-7.6)	4.7 (3.5-5.3)	3.2 (2.4-3.6)	2.2 (1.7-2.5)
6	67	59	49	39	29	21	15	11	7.4	5.1	3.5

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 men 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	11	7.6	5.4	3.8	2.6	1.8	1.3	0.9	0.6	0.5	0.3
1	19 (15-36)	14 (11-28)	10 (7.5-21)	7.1 (5.3-15)	5.0 (3.7-11)	3.5 (2.6-7.6)	2.5 (1.8-5.4)	1.8 (1.3-3.9)	1.3 (0.9-2.8)	0.9 (0.7-2.0)	0.6 (0.5-1.4)
2	29 (20-47)	23 (15-38)	17 (10-30)	12 (7.4-22)	9.0 (5.2-17)	6.4 (3.7-12)	4.5 (2.5-8.6)	3.3 (1.8-6.3)	2.3 (1.3-4.5)	1.7 (0.9-3.3)	1.2 (0.7-2.4)
3	42 (26-57)	34 (20-49)	26 (15-40)	20 (11-31)	15 (7.6-24)	11 (5.4-17)	7.8 (3.8-13)	5.7 (2.7-9.3)	4.1 (2.0-6.8)	3.0 (1.4-4.9)	2.2 (1.0-3.6)
4	54 (35-65)	46 (28-57)	38 (21-49)	30 (15-40)	23 (11-31)	18 (8.0-24)	13 (5.7-17)	9.6 (4.1-13)	7.0 (3.0-9.7)	5.1 (2.1-7.1)	3.7 (1.5-5.2)
5	65 (45-71)	58 (37-65)	51 (29-57)	43 (22-49)	34 (17-40)	27 (12-31)	20 (8.8-23)	15 (6.4-18)	12 (4.7-13)	8.5 (3.4-9.9)	6.2 (2.5-7.3)
6	74	69	63	55	47	38	30	24	18	14	10

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	9.0	6.7	4.9	3.6	2.7	2.0	1.4	1.1	0.8	0.6	0.5
1	16 (12-31)	12 (8.6-25)	9.1 (6.4-19)	6.8 (4.8-15)	5.1 (3.5-11)	3.7 (2.6-8.2)	2.8 (1.9-6.1)	2.1 (1.4-4.6)	1.6 (1.1-3.5)	1.2 (0.8-2.6)	0.9 (0.6-2.0)
2	25 (16-42)	20 (12-34)	15 (9.0-27)	12 (6.7-22)	8.8 (4.9-17)	6.6 (3.6-13)	5.0 (2.7-9.6)	3.8 (2.0-7.4)	2.9 (1.5-5.6)	2.2 (1.1-4.3)	1.6 (0.9-3.2)
3	36 (21-52)	30 (16-45)	24 (12-37)	19 (9.4-30)	15 (7.0-24)	11 (5.2-18)	8.4 (3.9-14)	6.5 (3.0-11)	5.0 (2.2-8.4)	3.8 (1.7-6.4)	2.9 (1.3-4.9)
4	49 (29-61)	42 (23-54)	35 (18-46)	28 (14-38)	23 (10-31)	18 (7.8-24)	14 (5.8-19)	11 (4.5-15)	8.2 (3.4-12)	6.3 (2.6-9.1)	4.8 (2.0-7.0)
5	61 (38-67)	54 (31-60)	47 (25-53)	40 (20-46)	33 (15-38)	26 (12-31)	21 (8.9-25)	17 (6.9-20)	13 (5.3-16)	10 (4.1-12)	7.9 (3.1-9.7)
6	71	66	59	52	45	38	31	25	20	16	12

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	6.5	5.0	3.9	3.0	2.3	1.8	1.4	1.1	0.9	0.7	0.6
1	12 (8.4-24)	9.1 (6.6-19)	7.2 (5.1-15)	5.7 (4.0-12)	4.4 (3.1-9.7)	3.4 (2.4-7.6)	2.7 (1.9-6.0)	2.1 (1.5-4.8)	1.7 (1.2-3.8)	1.4 (0.9-3.0)	1.1 (0.7-2.4)
2	19 (11-33)	15 (8.9-27)	12 (7.0-22)	9.7 (5.5-18)	7.7 (4.3-14)	6.0 (3.3-11)	4.8 (2.6-9.1)	3.8 (2.1-7.4)	3.1 (1.7-5.9)	2.4 (1.3-4.8)	1.9 (1.0-3.8)
3	28 (15-42)	23 (12-36)	19 (9.7-30)	16 (7.7-25)	13 (6.0-20)	10 (4.7-17)	8.0 (3.7-13)	6.5 (3.0-11)	5.2 (2.4-8.8)	4.2 (1.9-7.1)	3.4 (1.5-5.7)
4	39 (21-51)	34 (17-45)	28 (14-38)	24 (11-32)	19 (8.8-27)	16 (7.0-22)	13 (5.6-18)	11 (4.5-15)	8.6 (3.6-12)	6.9 (2.9-9.9)	5.6 (2.3-8.0)
5	51 (29-57)	45 (24-51)	39 (20-45)	34 (16-39)	29 (13-33)	24 (10-28)	20 (8.3-23)	16 (6.7-19)	13 (5.4-16)	11 (4.4-13)	9.0 (3.5-11)
6	62	57	52	46	40	34	29	24	20	17	14

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	4.6	3.7	3.1	2.5	2.0	1.6	1.4	1.1	0.9	0.8	0.7
1	8.3 (6.0-18)	6.9 (4.9-15)	5.6 (4.0-12)	4.6 (3.3-10)	3.8 (2.6-8.3)	3.1 (2.1-6.8)	2.6 (1.8-5.7)	2.1 (1.5-4.8)	1.8 (1.2-4.0)	1.5 (1.0-3.4)	1.2 (0.9-2.8)
2	14 (7.9-25)	12 (6.5-21)	9.6 (5.4-18)	8.0 (4.4-15)	6.6 (3.6-12)	5.4 (2.9-10)	4.5 (2.5-8.5)	3.8 (2.1-7.2)	3.2 (1.7-6.1)	2.7 (1.4-5.1)	2.2 (1.2-4.3)
3	21 (11-33)	18 (9.1-29)	15 (7.5-25)	13 (6.2-21)	11 (5.1-18)	8.9 (4.1-15)	7.5 (3.5-13)	6.4 (2.9-11)	5.4 (2.4-9.1)	4.5 (2.0-7.7)	3.8 (1.7-6.5)
4	31 (15-41)	27 (13-36)	23 (11-32)	20 (8.9-27)	17 (7.4-23)	14 (6.1-20)	12 (5.1-17)	10 (4.3-15)	8.7 (3.6-12)	7.4 (3.1-11)	6.3 (2.6-9.0)
5	42 (22-48)	37 (18-43)	33 (16-38)	29 (13-33)	25 (11-29)	21 (9.0-25)	18 (7.6-22)	16 (6.4-19)	14 (5.5-16)	12 (4.6-14)	9.9 (3.9-12)
6	54	49	44	39	35	30	27	23	20	18	15