FRAX® WHO Fracture Risk Assessment Tool

Venezuela - 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 Venezuela. 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	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.4 (0.3-0.8)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
2	0.8 (0.4-1.7)	0.4 (0.2-0.9)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.5 (0.6-3.0)	0.8 (0.3-1.6)	0.4 (0.2-0.9)	0.3 (0.1-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
4	2.8 (1.1-4.5)	1.5 (0.6-2.5)	0.8 (0.3-1.3)	0.6 (0.2-1.0)	0.5 (0.2-0.8)	0.4 (0.1-0.6)	0.3 (0.1-0.5)
5	5.0 (2.3-6.7)	2.7 (1.2-3.7)	1.5 (0.7-2.0)	1.2 (0.5-1.6)	0.9 (0.4-1.2)	0.7 (0.3-0.9)	0.5 (0.2-0.7)
6	8.7	4.8	2.6	2.0	1.6	1.2	1.0

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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 Venezuela.

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.8 (0.5-1.4)	0.4 (0.3-0.7)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.5 (0.8-2.9)	0.8 (0.4-1.6)	0.4 (0.2-0.9)	0.3 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
3	2.7 (1.2-5.0)	1.5 (0.7-2.8)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.6)
4	4.8 (2.1-7.6)	2.7 (1.2-4.2)	1.5 (0.6-2.3)	1.1 (0.5-1.8)	0.9 (0.4-1.4)	0.7 (0.3-1.1)	0.5 (0.2-0.8)
5	8.4 (4.4-11)	4.7 (2.5-6.2)	2.6 (1.3-3.5)	2.0 (1.0-2.7)	1.6 (0.8-2.1)	1.2 (0.6-1.6)	0.9 (0.5-1.3)
6	14	8.1	4.5	3.5	2.7	2.1	1.6

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.8	0.4	0.3	0.2	0.2	0.1	0.1
1	1.5 (1.1-2.4)	0.8 (0.6-1.3)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)	0.2 (0.1-0.3)
2	2.7 (1.6-4.9)	1.5 (0.9-2.8)	0.8 (0.5-1.5)	0.6 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.6)
3	4.8 (2.4-8.5)	2.7 (1.4-4.8)	1.5 (0.7-2.7)	1.2 (0.6-2.1)	0.9 (0.4-1.6)	0.7 (0.3-1.3)	0.5 (0.3-1.0)
4	8.3 (4.3-13)	4.8 (2.4-7.3)	2.6 (1.3-4.1)	2.1 (1.0-3.2)	1.6 (0.8-2.5)	1.2 (0.6-1.9)	1.0 (0.5-1.5)
5	14 (8.6-18)	8.2 (4.9-11)	4.6 (2.8-6.0)	3.6 (2.1-4.7)	2.8 (1.7-3.7)	2.2 (1.3-2.8)	1.7 (1.0-2.2)
6	23	14	7.8	6.1	4.8	3.7	2.9

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	1.6	0.9	0.5	0.4	0.3	0.2	0.2
1	2.7 (2.0-3.9)	1.6 (1.2-2.2)	0.9 (0.6-1.2)	0.7 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
2	4.7 (3.0-7.7)	2.7 (1.7-4.5)	1.5 (0.9-2.5)	1.2 (0.7-2.0)	0.9 (0.6-1.5)	0.7 (0.4-1.2)	0.5 (0.3-0.9)
3	8.0 (4.5-13)	4.7 (2.6-7.8)	2.6 (1.5-4.4)	2.1 (1.1-3.5)	1.6 (0.9-2.7)	1.2 (0.7-2.1)	1.0 (0.5-1.6)
4	13 (7.8-19)	7.9 (4.5-12)	4.5 (2.5-6.7)	3.5 (2.0-5.2)	2.7 (1.5-4.1)	2.1 (1.2-3.2)	1.6 (0.9-2.5)
5	21 (15-26)	13 (9.0-16)	7.6 (5.3-9.7)	5.9 (4.1-7.6)	4.6 (3.2-5.9)	3.6 (2.5-4.6)	2.8 (1.9-3.6)
6	32	21	13	9.9	7.7	6.0	4.7

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	3.0	1.7	1.0	0.8	0.6	0.4	0.3
1	5.3 (4.1-6.2)	3.2 (2.5-3.7)	1.8 (1.4-2.1)	1.4 (1.1-1.6)	1.1 (0.9-1.3)	0.8 (0.7-1.0)	0.6 (0.5-0.8)
2	9.3 (6.2-13)	5.7 (3.8-7.7)	3.3 (2.2-4.4)	2.6 (1.7-3.4)	2.0 (1.3-2.7)	1.5 (1.0-2.1)	1.2 (0.8-1.6)
3	16 (11-23)	10 (6.6-15)	6.0 (3.8-8.9)	4.6 (3.0-6.9)	3.6 (2.3-5.4)	2.8 (1.8-4.2)	2.2 (1.4-3.2)
4	26 (19-36)	17 (12-24)	11 (7.6-15)	8.3 (5.9-12)	6.4 (4.6-9.3)	5.0 (3.6-7.3)	3.9 (2.8-5.7)
5	40 (35-48)	28 (24-34)	18 (15-22)	14 (12-18)	11 (9.5-14)	8.8 (7.4-11)	6.9 (5.8-8.5)
6	56	43	30	24	19	15	12

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.3	3.3	2.0	1.5	1.2	0.9	0.7
1	10 (7.0-17)	6.4 (4.6-11)	3.9 (2.8-6.7)	3.0 (2.2-5.2)	2.3 (1.7-4.0)	1.8 (1.3-3.1)	1.4 (1.0-2.4)
2	18 (10-28)	12 (6.9-20)	7.4 (4.2-13)	5.8 (3.3-10)	4.5 (2.5-7.8)	3.5 (1.9-6.0)	2.7 (1.5-4.7)
3	29 (17-43)	21 (12-32)	14 (7.3-22)	11 (5.7-17)	8.3 (4.4-14)	6.5 (3.4-11)	5.0 (2.6-8.3)
4	43 (27-57)	34 (20-48)	24 (13-35)	19 (10-28)	15 (7.9-23)	12 (6.1-18)	9.1 (4.7-14)
5	58 (41-67)	50 (33-60)	38 (23-47)	31 (18-39)	25 (15-32)	20 (11-26)	16 (8.8-21)
6	70	66	56	48	40	33	27

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	7.8	5.3	3.3	2.5	2.0	1.5	1.1
1	14 (9.8-24)	9.7 (7.0-17)	6.3 (4.6-11)	4.8 (3.5-8.6)	3.7 (2.7-6.7)	2.9 (2.1-5.1)	2.2 (1.6-4.0)
2	23 (14-36)	17 (10-27)	11 (6.8-20)	8.8 (5.3-15)	6.9 (4.1-12)	5.3 (3.1-9.4)	4.1 (2.4-7.3)
3	34 (21-48)	27 (16-41)	19 (10-31)	15 (8.1-25)	12 (6.3-20)	9.4 (4.8-16)	7.3 (3.7-12)
4	47 (30-59)	40 (24-53)	31 (18-43)	25 (14-35)	20 (11-29)	16 (8.3-23)	13 (6.4-18)
5	60 (43-68)	55 (37-64)	46 (29-55)	39 (23-47)	32 (18-39)	26 (14-32)	21 (11-26)
6	70	67	62	54	46	39	32

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	9.6	7.2	4.9	3.8	2.9	2.2	1.7
1	16 (11-28)	13 (8.9-22)	9.0 (6.4-16)	7.0 (4.9-12)	5.4 (3.8-9.6)	4.1 (2.9-7.4)	3.1 (2.2-5.7)
2	25 (16-40)	21 (13-34)	16 (9.6-26)	12 (7.4-20)	9.5 (5.7-16)	7.3 (4.3-13)	5.6 (3.3-9.8)
3	36 (23-51)	31 (19-45)	25 (14-38)	20 (11-32)	16 (8.6-25)	13 (6.6-20)	9.7 (5.1-16)
4	49 (31-61)	44 (27-56)	38 (22-50)	31 (18-42)	25 (14-35)	20 (11-29)	16 (8.2-23)
5	60 (44-68)	57 (40-65)	52 (34-61)	44 (28-53)	37 (22-46)	31 (18-39)	25 (14-32)
6	70	68	65	58	51	43	36

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	11	8.5	6.3	4.8	3.7	2.8	2.1
1	18 (12-29)	14 (10-25)	11 (7.9-20)	8.7 (6.0-15)	6.7 (4.6-12)	5.1 (3.5-9.3)	3.9 (2.6-7.1)
2	27 (17-42)	23 (15-37)	19 (12-31)	15 (8.9-25)	11 (6.8-20)	8.9 (5.2-16)	6.8 (4.0-12)
3	38 (24-52)	34 (21-48)	29 (17-42)	23 (13-35)	19 (10-28)	15 (7.9-23)	11 (6.1-18)
4	49 (33-62)	45 (29-58)	41 (25-53)	34 (20-45)	28 (15-38)	23 (12-32)	18 (9.1-26)
5	60 (45-68)	57 (41-66)	53 (37-62)	47 (30-56)	40 (24-49)	33 (19-41)	27 (15-35)
6	69	68	65	59	52	45	38