

The US (Hispanic) - 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 the US (Hispanic). 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	0.4	0.2	0.1	0.1	0.1	0.1	0.0
1	0.7 (0.5-1.4)	0.4 (0.3-0.8)	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 (0.1-0.2)
2	1.4 (0.7-3.1)	0.8 (0.4-1.7)	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 (1.1-5.3)	1.5 (0.6-2.9)	0.8 (0.3-1.6)	0.6 (0.2-1.2)	0.5 (0.2-1.0)	0.4 (0.2-0.7)	0.3 (0.1-0.6)
4	5.0 (1.9-8.1)	2.7 (1.0-4.4)	1.5 (0.6-2.4)	1.1 (0.4-1.9)	0.9 (0.3-1.5)	0.7 (0.3-1.1)	0.5 (0.2-0.9)
5	8.8 (4.1-12)	4.9 (2.2-6.6)	2.7 (1.2-3.6)	2.1 (0.9-2.8)	1.6 (0.7-2.2)	1.3 (0.6-1.7)	1.0 (0.4-1.3)
6	15	8.6	4.7	3.7	2.9	2.2	1.7

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.3 (0.9-2.2)	0.7 (0.5-1.2)	0.4 (0.3-0.7)	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	2.4 (1.3-4.7)	1.3 (0.7-2.6)	0.7 (0.4-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.7)	0.3 (0.1-0.5)
3	4.4 (2.0-8.1)	2.4 (1.1-4.5)	1.3 (0.6-2.5)	1.0 (0.5-1.9)	0.8 (0.4-1.5)	0.6 (0.3-1.2)	0.5 (0.2-0.9)
4	7.8 (3.5-12)	4.3 (1.9-6.8)	2.3 (1.0-3.7)	1.8 (0.8-2.9)	1.4 (0.6-2.3)	1.1 (0.5-1.8)	0.9 (0.4-1.4)
5	13 (7.2-18)	7.6 (4.0-10)	4.2 (2.2-5.6)	3.2 (1.7-4.3)	2.5 (1.3-3.4)	2.0 (1.0-2.6)	1.5 (0.8-2.1)
6	22	13	7.2	5.7	4.4	3.5	2.7

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	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 (2.4-7.3)	2.2 (1.3-4.1)	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	7.1 (3.6-12)	4.0 (2.0-7.1)	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 (6.3-18)	6.9 (3.5-11)	3.9 (1.9-5.9)	3.0 (1.5-4.6)	2.3 (1.2-3.6)	1.8 (0.9-2.8)	1.4 (0.7-2.2)
5	20 (13-26)	12 (7.2-15)	6.7 (4.0-8.7)	5.2 (3.1-6.8)	4.1 (2.4-5.3)	3.2 (1.9-4.2)	2.5 (1.5-3.2)
6	32	20	11	8.9	7.0	5.4	4.2

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.2	1.2	0.7	0.5	0.4	0.3	0.2
1	3.9 (2.9-5.4)	2.2 (1.6-3.0)	1.2 (0.9-1.7)	0.9 (0.7-1.3)	0.7 (0.5-1.0)	0.6 (0.4-0.8)	0.4 (0.3-0.6)
2	6.7 (4.2-11)	3.8 (2.4-6.3)	2.1 (1.3-3.5)	1.6 (1.0-2.7)	1.3 (0.8-2.1)	1.0 (0.6-1.7)	0.8 (0.5-1.3)
3	11 (6.4-18)	6.5 (3.6-11)	3.7 (2.0-6.1)	2.8 (1.6-4.8)	2.2 (1.2-3.7)	1.7 (0.9-2.9)	1.3 (0.7-2.3)
4	18 (11-27)	11 (6.3-16)	6.3 (3.5-9.2)	4.9 (2.7-7.2)	3.8 (2.1-5.6)	3.0 (1.7-4.4)	2.3 (1.3-3.4)
5	29 (21-36)	18 (13-23)	10 (7.3-13)	8.2 (5.7-11)	6.4 (4.4-8.3)	5.0 (3.5-6.4)	3.9 (2.7-5.0)
6	43	28	17	14	11	8.4	6.6

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.1	2.4	1.3	1.0	0.8	0.6	0.5
1	7.4 (5.9-8.6)	4.3 (3.4-5.0)	2.4 (1.9-2.8)	1.9 (1.5-2.2)	1.5 (1.2-1.7)	1.1 (0.9-1.3)	0.9 (0.7-1.0)
2	13 (8.8-17)	7.8 (5.2-10)	4.5 (3.0-5.9)	3.5 (2.3-4.6)	2.7 (1.8-3.6)	2.1 (1.4-2.8)	1.6 (1.1-2.2)
3	22 (15-31)	14 (9.0-20)	8.0 (5.2-12)	6.3 (4.0-9.4)	4.9 (3.1-7.3)	3.8 (2.4-5.7)	2.9 (1.9-4.4)
4	35 (27-47)	23 (17-32)	14 (10-20)	11 (8.1-16)	8.7 (6.3-13)	6.8 (4.9-9.9)	5.3 (3.8-7.7)
5	52 (47-60)	37 (33-44)	24 (21-29)	19 (16-23)	15 (13-18)	12 (10-15)	9.4 (8.0-12)
6	69	55	39	32	26	21	16

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.5	4.5	2.6	2.0	1.6	1.2	0.9
1	14 (10-24)	8.8 (6.4-15)	5.1 (3.8-8.8)	4.0 (2.9-6.8)	3.1 (2.3-5.3)	2.4 (1.7-4.1)	1.9 (1.3-3.2)
2	25 (15-39)	16 (9.6-27)	9.8 (5.7-17)	7.7 (4.4-13)	6.0 (3.4-11)	4.7 (2.6-8.3)	3.6 (2.0-6.4)
3	40 (25-56)	28 (16-43)	18 (9.8-29)	14 (7.7-23)	11 (6.0-18)	8.8 (4.6-14)	6.9 (3.6-11)
4	57 (39-71)	44 (27-60)	31 (17-44)	25 (13-37)	20 (11-30)	16 (8.3-24)	13 (6.4-19)
5	72 (56-79)	63 (44-72)	49 (31-58)	41 (25-49)	34 (20-41)	27 (16-34)	22 (12-27)
6	81	78	68	60	52	44	36

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	7.5	4.5	3.5	2.7	2.1	1.6
1	21 (16-35)	14 (10-24)	8.5 (6.4-15)	6.7 (4.9-12)	5.2 (3.8-9.1)	4.0 (3.0-7.1)	3.1 (2.3-5.5)
2	34 (23-51)	24 (15-39)	15 (9.5-27)	12 (7.4-22)	9.6 (5.8-17)	7.5 (4.5-13)	5.8 (3.5-11)
3	49 (32-65)	38 (23-56)	26 (14-42)	21 (11-34)	17 (8.8-28)	13 (6.9-22)	11 (5.3-18)
4	63 (46-74)	55 (36-68)	42 (24-56)	35 (19-47)	28 (15-39)	23 (12-32)	18 (9.2-26)
5	74 (61-81)	70 (53-78)	60 (40-69)	52 (33-60)	44 (27-52)	36 (21-44)	30 (17-36)
6	82	80	76	69	61	53	45

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	15	9.5	5.8	4.5	3.5	2.7	2.1
1	25 (19-40)	17 (13-29)	11 (8.1-19)	8.5 (6.3-15)	6.6 (4.9-12)	5.1 (3.8-9.0)	4.0 (2.9-7.0)
2	38 (26-56)	29 (19-45)	19 (12-33)	15 (9.4-26)	12 (7.3-21)	9.4 (5.7-17)	7.3 (4.4-13)
3	53 (37-69)	44 (27-61)	32 (18-49)	26 (14-41)	21 (11-34)	17 (8.7-27)	13 (6.7-22)
4	67 (50-77)	60 (41-72)	48 (29-62)	41 (24-54)	34 (19-46)	27 (15-38)	22 (12-31)
5	76 (64-82)	73 (57-80)	65 (46-74)	58 (39-67)	50 (32-59)	42 (26-51)	35 (20-43)
6	82	82	79	73	67	59	51

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	9.0	5.7	4.4	3.4	2.6	2.0
1	23 (17-37)	16 (12-27)	11 (7.8-18)	8.2 (6.0-14)	6.4 (4.6-11)	4.9 (3.6-8.8)	3.8 (2.7-6.8)
2	35 (24-52)	27 (17-42)	19 (12-31)	15 (9.0-25)	12 (7.0-20)	9.0 (5.4-16)	7.0 (4.1-12)
3	49 (33-64)	41 (25-57)	30 (17-47)	25 (14-39)	20 (11-32)	16 (8.2-26)	12 (6.4-20)
4	62 (45-73)	56 (38-69)	46 (28-60)	38 (22-52)	32 (18-44)	26 (14-36)	21 (11-29)
5	73 (60-79)	69 (53-77)	62 (43-71)	55 (36-64)	47 (29-56)	39 (24-48)	32 (19-40)
6	79	79	76	70	63	55	47