

Brazil - The probabilities of a hip fracture in men

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 Brazil. 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	0.3	0.2	0.1	0.1	0.1	0.0	0.0
1	0.6 (0.4-1.2)	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	1.1 (0.5-2.3)	0.6 (0.3-1.3)	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	2.0 (0.8-4.0)	1.2 (0.5-2.4)	0.7 (0.3-1.4)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
4	3.6 (1.5-6.0)	2.2 (0.9-3.6)	1.2 (0.5-2.1)	1.0 (0.4-1.6)	0.7 (0.3-1.2)	0.6 (0.2-1.0)	0.4 (0.2-0.7)
5	6.3 (2.8-8.3)	3.8 (1.7-5.1)	2.2 (1.0-3.0)	1.7 (0.8-2.3)	1.3 (0.6-1.8)	1.0 (0.5-1.4)	0.8 (0.4-1.1)
6	11	6.6	3.9	3.0	2.3	1.8	1.4

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

Age = 55 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	0.1
1	0.8 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)
2	1.4 (0.8-2.7)	0.9 (0.5-1.7)	0.5 (0.3-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.3)
3	2.6 (1.2-4.7)	1.6 (0.7-2.9)	0.9 (0.4-1.7)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)
4	4.4 (2.1-7.1)	2.8 (1.3-4.4)	1.6 (0.7-2.6)	1.3 (0.6-2.0)	1.0 (0.4-1.6)	0.7 (0.3-1.2)	0.6 (0.3-0.9)
5	7.5 (3.8-9.5)	4.7 (2.4-6.2)	2.8 (1.5-3.7)	2.2 (1.1-2.9)	1.7 (0.9-2.2)	1.3 (0.7-1.7)	1.0 (0.5-1.3)
6	12	8.0	4.9	3.8	2.9	2.3	1.7

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.7	0.4	0.3	0.2	0.2	0.1	0.1
1	1.2 (0.9-2.0)	0.8 (0.6-1.2)	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	2.2 (1.3-3.7)	1.4 (0.8-2.4)	0.8 (0.5-1.5)	0.6 (0.4-1.1)	0.5 (0.3-0.9)	0.4 (0.2-0.7)	0.3 (0.2-0.5)
3	3.7 (1.9-6.4)	2.4 (1.2-4.2)	1.4 (0.7-2.6)	1.1 (0.6-2.0)	0.9 (0.4-1.5)	0.7 (0.3-1.2)	0.5 (0.3-0.9)
4	6.1 (3.3-9.5)	4.0 (2.1-6.3)	2.5 (1.3-3.9)	1.9 (1.0-3.0)	1.5 (0.8-2.3)	1.1 (0.6-1.8)	0.9 (0.5-1.4)
5	9.9 (5.8-12)	6.7 (3.9-8.4)	4.2 (2.5-5.4)	3.3 (1.9-4.2)	2.5 (1.5-3.2)	1.9 (1.1-2.5)	1.5 (0.9-1.9)
6	15	11	7.1	5.5	4.2	3.2	2.5

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.2	0.8	0.5	0.4	0.3	0.2	0.2
1	2.0 (1.6-3.0)	1.3 (1.0-1.9)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.5 (0.4-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.4)
2	3.4 (2.1-5.2)	2.2 (1.4-3.5)	1.4 (0.9-2.2)	1.1 (0.7-1.7)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)
3	5.4 (3.1-8.8)	3.7 (2.1-6.1)	2.4 (1.3-3.9)	1.8 (1.0-3.0)	1.4 (0.8-2.3)	1.1 (0.6-1.8)	0.8 (0.5-1.4)
4	8.6 (5.2-13)	6.0 (3.7-9.1)	3.9 (2.3-5.9)	3.0 (1.8-4.6)	2.3 (1.4-3.5)	1.8 (1.0-2.7)	1.4 (0.8-2.1)
5	13 (8.9-16)	9.6 (6.5-12)	6.4 (4.3-8.0)	5.0 (3.3-6.2)	3.8 (2.5-4.8)	2.9 (1.9-3.7)	2.2 (1.5-2.8)
6	20	15	10	8.0	6.2	4.8	3.7

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.0	1.4	0.9	0.7	0.5	0.4	0.3
1	3.5 (2.5-4.2)	2.4 (1.8-2.9)	1.5 (1.2-1.8)	1.2 (0.9-1.4)	0.9 (0.7-1.1)	0.7 (0.5-0.8)	0.5 (0.4-0.6)
2	5.9 (3.8-8.7)	4.2 (2.7-6.0)	2.8 (1.8-3.9)	2.1 (1.4-3.0)	1.6 (1.1-2.3)	1.2 (0.8-1.8)	0.9 (0.6-1.3)
3	9.7 (5.9-15)	7.1 (4.6-10)	4.8 (3.2-7.1)	3.7 (2.4-5.5)	2.8 (1.9-4.2)	2.2 (1.4-3.2)	1.7 (1.1-2.5)
4	15 (10-22)	12 (7.8-17)	8.3 (5.6-12)	6.4 (4.3-9.4)	4.9 (3.3-7.3)	3.8 (2.5-5.6)	2.9 (1.9-4.3)
5	23 (19-30)	19 (16-24)	14 (11-18)	11 (8.9-14)	8.4 (6.8-11)	6.4 (5.2-8.4)	4.9 (4.0-6.5)
6	33	29	22	18	14	11	8.3

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.3	2.4	1.6	1.2	0.9	0.7	0.5
1	6.0 (3.9-11)	4.5 (3.0-8.0)	3.1 (2.1-5.4)	2.4 (1.6-4.2)	1.8 (1.2-3.2)	1.4 (0.9-2.5)	1.0 (0.7-1.9)
2	10 (5.8-18)	8.1 (4.6-14)	5.7 (3.2-9.6)	4.4 (2.5-7.5)	3.4 (1.9-5.7)	2.6 (1.4-4.4)	2.0 (1.1-3.4)
3	17 (8.6-28)	14 (7.1-23)	10 (5.4-16)	7.9 (4.1-13)	6.1 (3.1-9.9)	4.7 (2.4-7.6)	3.6 (1.8-5.9)
4	26 (14-37)	22 (12-32)	17 (9.3-26)	14 (7.1-21)	11 (5.4-16)	8.2 (4.1-13)	6.3 (3.1-9.9)
5	37 (23-46)	33 (20-42)	28 (16-35)	22 (12-29)	18 (9.6-23)	14 (7.3-18)	11 (5.6-14)
6	49	46	41	34	27	22	17

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.8	3.7	2.6	2.0	1.5	1.1	0.9
1	8.5 (5.7-15)	6.7 (4.5-12)	4.8 (3.4-8.7)	3.7 (2.6-6.7)	2.8 (1.9-5.1)	2.1 (1.5-3.9)	1.6 (1.1-3.0)
2	14 (8.1-24)	11 (6.8-20)	8.5 (5.1-15)	6.6 (3.9-11)	5.0 (2.9-8.8)	3.8 (2.2-6.8)	2.9 (1.7-5.2)
3	21 (12-33)	18 (10-28)	14 (7.7-23)	11 (5.9-18)	8.7 (4.5-14)	6.7 (3.4-11)	5.1 (2.6-8.5)
4	31 (17-42)	27 (15-37)	23 (12-32)	18 (9.4-26)	14 (7.2-21)	11 (5.5-16)	8.5 (4.1-13)
5	42 (27-51)	38 (23-47)	34 (20-42)	28 (16-35)	22 (12-29)	18 (9.3-23)	14 (7.1-18)
6	54	50	46	39	33	26	21

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.1	4.8	3.5	2.7	2.0	1.5	1.2
1	11 (7.2-19)	8.5 (5.8-15)	6.4 (4.4-11)	4.9 (3.3-8.9)	3.7 (2.5-6.8)	2.8 (1.9-5.2)	2.1 (1.4-4.0)
2	17 (10-29)	14 (8.6-24)	11 (6.6-19)	8.5 (5.0-15)	6.6 (3.8-12)	5.0 (2.9-8.9)	3.8 (2.2-6.8)
3	26 (15-39)	22 (13-34)	18 (10-28)	14 (7.7-22)	11 (5.9-18)	8.5 (4.5-14)	6.5 (3.4-11)
4	37 (22-49)	33 (18-44)	28 (15-38)	22 (12-31)	18 (9.0-25)	14 (6.9-20)	11 (5.2-16)
5	49 (33-58)	45 (28-54)	40 (24-49)	33 (19-41)	27 (15-34)	22 (12-28)	17 (8.9-22)
6	60	57	53	45	38	32	26

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.5	5.2	4.0	3.0	2.3	1.7	1.3
1	11 (7.6-20)	9.1 (6.2-16)	7.1 (4.9-13)	5.4 (3.7-9.9)	4.1 (2.8-7.6)	3.1 (2.1-5.8)	2.4 (1.6-4.4)
2	18 (11-30)	15 (9.1-26)	12 (7.3-21)	9.4 (5.5-16)	7.2 (4.2-13)	5.5 (3.2-9.9)	4.2 (2.4-7.6)
3	27 (16-40)	23 (13-35)	19 (11-30)	15 (8.4-24)	12 (6.4-19)	9.2 (4.8-15)	7.1 (3.6-11)
4	38 (22-50)	34 (19-45)	29 (16-40)	24 (12-33)	19 (9.6-27)	15 (7.3-21)	12 (5.6-17)
5	49 (33-57)	45 (29-54)	41 (25-50)	34 (20-43)	28 (16-36)	23 (12-29)	18 (9.4-24)
6	59	57	53	46	39	33	27