

Australia - 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 Australia. 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	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.4 (0.2-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
2	0.7 (0.4-1.5)	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	1.4 (0.6-2.7)	0.8 (0.3-1.5)	0.4 (0.2-0.8)	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	2.5 (1.0-4.1)	1.4 (0.5-2.3)	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	4.5 (2.0-5.9)	2.5 (1.1-3.4)	1.4 (0.6-1.9)	1.1 (0.5-1.5)	0.8 (0.4-1.1)	0.7 (0.3-0.9)	0.5 (0.2-0.7)
6	7.7	4.4	2.5	1.9	1.5	1.2	0.9

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

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	0.0
1	0.7 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	1.2 (0.7-2.4)	0.7 (0.4-1.4)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
3	2.2 (1.0-4.2)	1.3 (0.6-2.4)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.2-0.6)	0.3 (0.1-0.5)
4	4.0 (1.8-6.3)	2.3 (1.0-3.7)	1.3 (0.6-2.1)	1.0 (0.4-1.6)	0.8 (0.3-1.2)	0.6 (0.3-1.0)	0.5 (0.2-0.7)
5	6.9 (3.6-9.0)	4.0 (2.1-5.3)	2.3 (1.2-3.0)	1.8 (0.9-2.3)	1.4 (0.7-1.8)	1.1 (0.5-1.4)	0.8 (0.4-1.1)
6	12	6.9	3.9	3.1	2.4	1.8	1.4

Age = 60 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	1.2 (0.9-2.0)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	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	2.2 (1.3-3.9)	1.3 (0.7-2.3)	0.7 (0.4-1.3)	0.6 (0.3-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)
3	3.8 (1.9-6.7)	2.3 (1.1-4.0)	1.3 (0.6-2.3)	1.0 (0.5-1.8)	0.8 (0.4-1.4)	0.6 (0.3-1.1)	0.5 (0.2-0.8)
4	6.5 (3.4-10)	3.9 (2.0-6.1)	2.3 (1.1-3.5)	1.8 (0.9-2.7)	1.4 (0.7-2.1)	1.1 (0.5-1.6)	0.8 (0.4-1.3)
5	11 (6.5-14)	6.7 (4.0-8.6)	3.9 (2.3-5.1)	3.0 (1.8-4.0)	2.4 (1.4-3.1)	1.8 (1.1-2.4)	1.4 (0.8-1.8)
6	17	11	6.6	5.2	4.0	3.1	2.4

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.4	0.8	0.5	0.4	0.3	0.2	0.2
1	2.4 (1.8-3.4)	1.4 (1.1-2.1)	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	4.0 (2.5-6.4)	2.5 (1.5-4.0)	1.5 (0.9-2.4)	1.1 (0.7-1.9)	0.9 (0.5-1.4)	0.7 (0.4-1.1)	0.5 (0.3-0.8)
3	6.7 (3.8-11)	4.2 (2.4-7.0)	2.5 (1.4-4.2)	1.9 (1.1-3.2)	1.5 (0.8-2.5)	1.1 (0.6-1.9)	0.9 (0.5-1.5)
4	11 (6.6-16)	7.0 (4.1-10)	4.2 (2.4-6.3)	3.3 (1.9-4.9)	2.5 (1.5-3.8)	2.0 (1.1-2.9)	1.5 (0.9-2.3)
5	17 (12-21)	11 (7.8-14)	7.0 (4.8-8.9)	5.5 (3.7-6.9)	4.2 (2.9-5.4)	3.3 (2.2-4.2)	2.5 (1.7-3.2)
6	26	18	12	9.0	7.0	5.4	4.2

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.9	1.8	1.1	0.8	0.6	0.5	0.4
1	5.0 (3.8-6.0)	3.2 (2.5-3.8)	2.0 (1.5-2.3)	1.5 (1.2-1.8)	1.2 (0.9-1.4)	0.9 (0.7-1.1)	0.7 (0.5-0.8)
2	8.6 (5.7-12)	5.7 (3.8-8.0)	3.5 (2.3-4.9)	2.7 (1.8-3.8)	2.1 (1.4-2.9)	1.6 (1.1-2.2)	1.2 (0.8-1.7)
3	14 (9.3-20)	9.9 (6.5-14)	6.3 (4.1-9.3)	4.9 (3.2-7.2)	3.8 (2.4-5.6)	2.9 (1.9-4.3)	2.2 (1.4-3.3)
4	23 (16-31)	16 (11-23)	11 (7.7-16)	8.5 (5.9-12)	6.6 (4.6-9.6)	5.1 (3.5-7.5)	3.9 (2.7-5.8)
5	34 (28-41)	26 (22-33)	18 (15-23)	14 (12-18)	11 (9.4-14)	8.8 (7.3-11)	6.8 (5.6-8.7)
6	46	39	29	24	19	15	12

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.0	3.5	2.2	1.7	1.3	1.0	0.8
1	9.3 (6.3-16)	6.5 (4.5-11)	4.3 (3.0-7.5)	3.3 (2.3-5.8)	2.5 (1.8-4.5)	1.9 (1.3-3.4)	1.5 (1.0-2.6)
2	16 (9.3-26)	12 (6.8-19)	8.0 (4.6-13)	6.2 (3.5-10)	4.8 (2.7-8.0)	3.7 (2.1-6.2)	2.8 (1.6-4.8)
3	25 (14-39)	20 (11-31)	14 (7.9-23)	11 (6.1-18)	8.7 (4.7-14)	6.7 (3.6-11)	5.2 (2.7-8.4)
4	37 (22-50)	31 (18-44)	24 (14-35)	19 (11-29)	15 (8.1-23)	12 (6.3-18)	9.2 (4.8-14)
5	50 (34-60)	45 (29-55)	37 (23-47)	31 (18-39)	25 (14-32)	20 (11-26)	16 (8.5-21)
6	63	59	53	45	38	31	25

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.9	5.1	3.5	2.7	2.1	1.6	1.2
1	12 (8.2-21)	9.2 (6.4-16)	6.5 (4.6-12)	5.0 (3.5-9.0)	3.8 (2.7-6.9)	2.9 (2.0-5.3)	2.2 (1.5-4.1)
2	19 (12-32)	15 (9.5-26)	11 (6.9-19)	8.9 (5.3-15)	6.9 (4.0-12)	5.3 (3.1-9.2)	4.0 (2.3-7.1)
3	29 (17-43)	24 (14-37)	19 (10-30)	15 (8.1-24)	12 (6.2-19)	9.1 (4.7-15)	7.0 (3.6-12)
4	41 (25-53)	36 (21-47)	30 (17-41)	24 (13-34)	19 (10-27)	15 (7.7-22)	12 (5.9-17)
5	53 (36-62)	48 (32-58)	43 (26-52)	36 (21-44)	29 (17-37)	24 (13-30)	19 (10-24)
6	65	61	56	49	42	35	28

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.8	6.2	4.7	3.6	2.7	2.0	1.5
1	13 (9.0-23)	11 (7.4-19)	8.4 (5.8-15)	6.4 (4.4-12)	4.9 (3.3-9.0)	3.7 (2.5-6.9)	2.8 (1.9-5.2)
2	21 (13-34)	18 (11-30)	14 (8.6-24)	11 (6.6-19)	8.5 (5.0-15)	6.5 (3.8-12)	5.0 (2.9-9.0)
3	31 (18-44)	27 (16-40)	22 (13-34)	18 (9.9-28)	14 (7.6-22)	11 (5.8-17)	8.4 (4.4-14)
4	42 (26-54)	38 (22-50)	33 (19-44)	27 (15-37)	22 (11-31)	17 (8.7-25)	14 (6.7-20)
5	54 (38-62)	50 (34-59)	45 (29-55)	39 (23-47)	32 (19-40)	26 (15-33)	21 (11-27)
6	64	62	58	51	44	37	31

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.4	6.7	5.2	3.9	3.0	2.3	1.7
1	14 (9.8-24)	12 (8.0-20)	9.2 (6.3-16)	7.1 (4.8-13)	5.4 (3.6-9.8)	4.1 (2.7-7.5)	3.1 (2.1-5.7)
2	22 (14-36)	19 (12-31)	15 (9.4-26)	12 (7.2-21)	9.3 (5.5-16)	7.1 (4.1-13)	5.4 (3.1-9.8)
3	32 (20-46)	28 (17-41)	24 (14-36)	19 (11-29)	15 (8.2-24)	12 (6.3-19)	9.1 (4.7-15)
4	43 (27-56)	39 (24-52)	35 (20-46)	29 (16-39)	23 (12-32)	19 (9.4-26)	15 (7.2-21)
5	54 (39-62)	51 (35-60)	47 (31-56)	40 (25-49)	34 (20-42)	28 (16-35)	22 (12-29)
6	62	62	59	53	46	39	32