

Indonesia - 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 Indonesia. 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	10	5.5	3.0	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0	
1	16 (11-21)	8.7 (5.8-11)	4.7 (3.1-6.2)	2.5 (1.6-3.3)	1.3 (0.9-1.7)	0.7 (0.5-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	
2	23 (15-33)	13 (8.2-20)	7.3 (4.4-11)	3.9 (2.3-5.9)	2.1 (1.2-3.2)	1.1 (0.6-1.7)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	
3	34 (22-47)	20 (12-29)	11 (6.6-17)	6.1 (3.5-9.5)	3.2 (1.9-5.1)	1.7 (1.0-2.7)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	
4	46 (33-60)	29 (19-41)	17 (11-25)	9.2 (5.8-14)	5.0 (3.1-7.7)	2.7 (1.6-4.2)	1.4 (0.9-2.2)	0.7 (0.5-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	
5	59 (49-71)	40 (31-51)	24 (18-33)	14 (10-19)	7.6 (5.5-11)	4.1 (2.9-5.8)	2.2 (1.6-3.1)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	
6	72	53	34	20	11	6.1	3.3	1.7	0.9	0.5	0.3	

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

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	9.9	5.5	3.1	1.7	0.9	0.5	0.3	0.2	0.1	0.1	0.0
1	15 (10-18)	8.5 (5.8-11)	4.7 (3.2-6.0)	2.6 (1.8-3.3)	1.4 (1.0-1.8)	0.8 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	22 (14-29)	13 (8.1-18)	7.2 (4.6-10)	4.0 (2.5-5.8)	2.2 (1.4-3.2)	1.2 (0.8-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	30 (21-41)	19 (12-26)	11 (6.9-16)	6.1 (3.8-9.1)	3.4 (2.1-5.1)	1.9 (1.2-2.9)	1.0 (0.6-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	41 (31-53)	26 (19-36)	16 (11-23)	9.1 (6.1-13)	5.2 (3.4-7.7)	2.9 (1.9-4.3)	1.6 (1.0-2.4)	0.9 (0.6-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
5	53 (45-63)	36 (29-46)	23 (18-30)	13 (10-18)	7.7 (5.9-11)	4.3 (3.3-6.1)	2.4 (1.8-3.4)	1.3 (1.0-1.9)	0.7 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.3)
6	65	48	31	19	11	6.4	3.6	2.0	1.1	0.6	0.4

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	8.7	5.2	3.1	1.8	1.1	0.6	0.4	0.2	0.1	0.1	0.0
1	13 (9.1-15)	7.7 (5.4-9.2)	4.6 (3.2-5.5)	2.7 (1.9-3.2)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	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 (0.1-0.1)
2	18 (13-24)	11 (7.6-15)	6.8 (4.5-9.2)	4.1 (2.7-5.5)	2.4 (1.6-3.3)	1.4 (0.9-1.9)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	25 (18-33)	16 (11-22)	9.9 (6.8-14)	6.0 (4.0-8.3)	3.6 (2.4-5.0)	2.1 (1.4-3.0)	1.2 (0.8-1.8)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	34 (26-43)	22 (17-30)	14 (10-20)	8.7 (6.3-12)	5.2 (3.7-7.5)	3.1 (2.2-4.5)	1.8 (1.3-2.7)	1.1 (0.8-1.6)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
5	44 (38-53)	30 (26-38)	20 (16-26)	12 (10-17)	7.6 (6.2-10)	4.6 (3.7-6.3)	2.7 (2.2-3.7)	1.6 (1.3-2.2)	1.0 (0.8-1.4)	0.6 (0.5-0.8)	0.4 (0.3-0.5)
6	54	40	27	18	11	6.6	3.9	2.3	1.4	0.9	0.5

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

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	7.4	4.7	2.9	1.8	1.1	0.7	0.4	0.3	0.2	0.1	0.1
1	11 (7.7-12)	6.7 (4.9-7.7)	4.3 (3.1-4.9)	2.7 (1.9-3.0)	1.7 (1.2-1.9)	1.0 (0.7-1.2)	0.6 (0.5-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	15 (11-18)	9.6 (6.9-12)	6.2 (4.3-7.8)	3.9 (2.7-5.0)	2.4 (1.7-3.1)	1.5 (1.1-2.0)	0.9 (0.7-1.2)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.2 (0.1-0.2)
3	20 (15-26)	13 (10-18)	8.7 (6.4-12)	5.6 (4.1-7.5)	3.5 (2.6-4.7)	2.2 (1.6-3.0)	1.4 (1.0-1.9)	0.9 (0.6-1.2)	0.6 (0.4-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)
4	27 (22-34)	18 (15-24)	12 (9.6-16)	7.9 (6.1-11)	5.1 (3.9-6.9)	3.2 (2.4-4.4)	2.0 (1.5-2.8)	1.3 (1.0-1.8)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.3-0.5)
5	35 (31-42)	25 (22-31)	17 (15-22)	11 (9.5-15)	7.2 (6.2-9.6)	4.6 (3.9-6.1)	2.9 (2.5-3.9)	1.8 (1.6-2.5)	1.2 (1.0-1.6)	0.8 (0.7-1.0)	0.5 (0.4-0.7)
6	43	32	23	15	10	6.4	4.1	2.6	1.7	1.1	0.7

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	6.0	4.1	2.7	1.8	1.2	0.8	0.5	0.3	0.2	0.2	0.1
1	9.4 (8.3-12)	6.4 (5.7-8.4)	4.3 (3.8-5.7)	2.9 (2.5-3.8)	1.9 (1.7-2.5)	1.3 (1.1-1.7)	0.8 (0.7-1.1)	0.6 (0.5-0.7)	0.4 (0.3-0.5)	0.3 (0.2-0.3)	0.2 (0.2-0.2)
2	14 (11-18)	9.8 (7.9-13)	6.7 (5.4-8.7)	4.5 (3.6-5.9)	3.0 (2.4-4.0)	2.0 (1.6-2.7)	1.3 (1.1-1.8)	0.9 (0.7-1.2)	0.6 (0.5-0.8)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
3	21 (16-25)	15 (11-18)	10 (8.0-13)	7.0 (5.4-8.9)	4.8 (3.7-6.1)	3.2 (2.4-4.1)	2.1 (1.6-2.7)	1.4 (1.1-1.8)	1.0 (0.8-1.3)	0.7 (0.5-0.9)	0.5 (0.4-0.6)
4	29 (23-34)	22 (17-26)	15 (12-19)	11 (8.1-13)	7.3 (5.5-9.0)	5.0 (3.7-6.1)	3.3 (2.5-4.1)	2.3 (1.7-2.8)	1.6 (1.2-1.9)	1.1 (0.8-1.3)	0.7 (0.5-0.9)
5	39 (32-43)	30 (24-33)	22 (17-25)	16 (12-18)	11 (8.3-12)	7.7 (5.7-8.5)	5.2 (3.9-5.8)	3.6 (2.6-3.9)	2.5 (1.8-2.7)	1.7 (1.3-1.9)	1.2 (0.9-1.3)
6	49	40	31	23	16	12	8.0	5.5	3.8	2.7	1.8

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

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	4.8	3.4	2.4	1.7	1.2	0.8	0.6	0.4	0.3	0.2	0.2
1	8.8 (6.5-19)	6.4 (4.7-14)	4.6 (3.3-9.9)	3.2 (2.3-7.1)	2.3 (1.7-5.0)	1.6 (1.2-3.6)	1.1 (0.8-2.5)	0.8 (0.6-1.8)	0.6 (0.4-1.3)	0.4 (0.3-0.9)	0.3 (0.2-0.7)
2	15 (9.0-26)	11 (6.5-20)	8.0 (4.6-14)	5.7 (3.3-11)	4.1 (2.3-7.6)	2.9 (1.6-5.4)	2.0 (1.2-3.9)	1.5 (0.8-2.8)	1.1 (0.6-2.0)	0.8 (0.4-1.5)	0.6 (0.3-1.1)
3	23 (12-34)	17 (9.1-27)	13 (6.5-21)	9.6 (4.7-15)	6.9 (3.3-11)	5.0 (2.3-8.1)	3.5 (1.6-5.8)	2.6 (1.2-4.2)	1.9 (0.9-3.1)	1.4 (0.6-2.2)	1.0 (0.5-1.6)
4	33 (17-43)	26 (13-35)	20 (9.4-27)	15 (6.8-21)	11 (4.9-15)	8.2 (3.5-11)	5.9 (2.5-8.1)	4.3 (1.8-6.0)	3.1 (1.3-4.4)	2.3 (1.0-3.2)	1.7 (0.7-2.3)
5	45 (24-51)	37 (18-43)	29 (14-35)	23 (10-27)	17 (7.3-21)	13 (5.2-15)	9.4 (3.7-11)	7.0 (2.7-8.3)	5.2 (2.0-6.1)	3.8 (1.5-4.5)	2.8 (1.1-3.3)
6	57	49	41	33	26	20	15	11	8.2	6.1	4.5

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	3.6	2.7	2.0	1.5	1.1	0.8	0.6	0.5	0.4	0.3	0.2
1	6.6 (4.7-14)	5.0 (3.5-11)	3.7 (2.6-8.3)	2.8 (2.0-6.2)	2.1 (1.4-4.7)	1.5 (1.1-3.5)	1.1 (0.8-2.6)	0.9 (0.6-2.0)	0.7 (0.5-1.5)	0.5 (0.4-1.2)	0.4 (0.3-0.9)
2	11 (6.2-20)	8.4 (4.6-16)	6.4 (3.5-12)	4.8 (2.6-9.2)	3.6 (1.9-7.0)	2.7 (1.4-5.2)	2.0 (1.1-3.9)	1.6 (0.8-3.0)	1.2 (0.6-2.3)	0.9 (0.5-1.7)	0.7 (0.4-1.3)
3	17 (8.5-27)	13 (6.5-22)	10 (4.9-17)	7.9 (3.7-13)	6.0 (2.7-10)	4.5 (2.0-7.6)	3.4 (1.5-5.8)	2.6 (1.2-4.5)	2.0 (0.9-3.4)	1.5 (0.7-2.6)	1.2 (0.5-2.0)
4	25 (12-34)	20 (9.1-28)	16 (6.9-22)	12 (5.2-18)	9.6 (3.9-14)	7.3 (3.0-11)	5.5 (2.2-8.0)	4.3 (1.7-6.3)	3.3 (1.3-4.8)	2.6 (1.0-3.7)	2.0 (0.8-2.9)
5	35 (17-40)	29 (13-34)	23 (10-28)	19 (7.8-22)	15 (5.9-17)	11 (4.4-13)	8.7 (3.4-10)	6.8 (2.6-8.1)	5.3 (2.0-6.3)	4.1 (1.5-4.9)	3.2 (1.2-3.8)
6	46	39	33	27	21	17	13	10	8.2	6.4	5.0

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

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	2.7	2.1	1.6	1.3	1.0	0.8	0.6	0.5	0.4	0.3	0.3
1	4.9 (3.5-11)	3.9 (2.7-8.6)	3.1 (2.1-6.8)	2.4 (1.7-5.4)	1.9 (1.3-4.3)	1.5 (1.0-3.3)	1.2 (0.8-2.6)	0.9 (0.7-2.1)	0.7 (0.5-1.7)	0.6 (0.4-1.4)	0.5 (0.3-1.1)
2	8.3 (4.5-16)	6.6 (3.6-13)	5.2 (2.8-10)	4.1 (2.2-8.0)	3.3 (1.7-6.4)	2.6 (1.3-5.0)	2.0 (1.1-4.0)	1.6 (0.9-3.2)	1.3 (0.7-2.6)	1.1 (0.6-2.1)	0.9 (0.4-1.7)
3	13 (6.3-21)	11 (5.0-17)	8.5 (3.9-14)	6.8 (3.1-11)	5.4 (2.4-9.0)	4.3 (1.9-7.1)	3.4 (1.5-5.7)	2.8 (1.2-4.7)	2.2 (1.0-3.8)	1.8 (0.8-3.1)	1.4 (0.6-2.5)
4	20 (8.8-27)	16 (7.0-23)	13 (5.6-19)	11 (4.4-15)	8.5 (3.5-12)	6.8 (2.7-9.9)	5.5 (2.2-8.0)	4.5 (1.8-6.5)	3.6 (1.4-5.3)	2.9 (1.1-4.3)	2.4 (0.9-3.5)
5	28 (13-33)	24 (10-28)	20 (8.2-23)	16 (6.5-19)	13 (5.2-16)	10 (4.1-13)	8.5 (3.3-10)	7.0 (2.6-8.4)	5.7 (2.1-6.9)	4.6 (1.7-5.6)	3.8 (1.4-4.5)
6	38	33	28	23	19	16	13	11	8.7	7.2	5.8

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	2.1	1.7	1.4	1.1	0.9	0.8	0.6	0.5	0.4	0.4	0.3
1	3.8 (2.7-8.4)	3.1 (2.2-7.0)	2.6 (1.8-5.8)	2.1 (1.5-4.8)	1.7 (1.2-3.9)	1.4 (1.0-3.2)	1.2 (0.8-2.7)	1.0 (0.7-2.3)	0.8 (0.6-1.9)	0.7 (0.5-1.6)	0.6 (0.4-1.4)
2	6.4 (3.5-12)	5.3 (2.9-10)	4.4 (2.3-8.6)	3.6 (1.9-7.1)	3.0 (1.6-5.9)	2.5 (1.3-4.8)	2.1 (1.1-4.1)	1.7 (0.9-3.4)	1.5 (0.8-2.9)	1.2 (0.6-2.4)	1.0 (0.5-2.1)
3	10 (4.9-17)	8.6 (4.0-14)	7.2 (3.3-12)	6.0 (2.7-9.9)	5.0 (2.2-8.3)	4.1 (1.8-6.9)	3.4 (1.5-5.8)	2.9 (1.3-4.9)	2.5 (1.1-4.2)	2.1 (0.9-3.5)	1.8 (0.8-3.0)
4	16 (6.8-22)	13 (5.7-19)	11 (4.7-16)	9.4 (3.9-14)	7.9 (3.2-11)	6.5 (2.6-9.5)	5.5 (2.2-8.1)	4.7 (1.9-6.9)	4.0 (1.6-5.8)	3.4 (1.3-5.0)	2.9 (1.1-4.2)
5	23 (10-27)	20 (8.4-23)	17 (7.0-20)	14 (5.8-17)	12 (4.8-14)	10 (3.9-12)	8.6 (3.3-10)	7.4 (2.8-8.9)	6.3 (2.4-7.6)	5.3 (2.0-6.4)	4.5 (1.7-5.5)
6	32	28	24	21	18	15	13	11	9.6	8.2	7.0