Indonesia - The probabilities of a hip fracture in women

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	7.9	4.1	2.1	1.1	0.6	0.3	0.1	0.1	0.0	0.0	0.0
1	13 (8.3-16)	6.6 (4.3-8.6)	3.4 (2.2-4.5)	1.8 (1.1-2.3)	0.9 (0.6-1.2)	0.5 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)	0.0 (0.0-0.0)
2	19 (12-28)	10 (6.1-16)	5.4 (3.2-8.2)	2.8 (1.6-4.3)	1.4 (0.8-2.2)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
3	29 (17-43)	16 (9.2-25)	8.5 (4.8-14)	4.4 (2.5-7.3)	2.3 (1.3-3.8)	1.2 (0.6-1.9)	0.6 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
4	41 (28-57)	24 (15-36)	13 (8.1-20)	6.9 (4.2-11)	3.6 (2.2-5.7)	1.8 (1.1-3.0)	0.9 (0.6-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
5	55 (45-69)	34 (27-46)	20 (15-27)	11 (7.8-15)	5.5 (4.0-8.0)	2.9 (2.1-4.2)	1.5 (1.1-2.2)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
6	71	48	29	16	8.4	4.4	2.3	1.2	0.6	0.3	0.2

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	7.9	4.3	2.3	1.3	0.7	0.4	0.2	0.1	0.1	0.0	0.0
1	12 (8.3-15)	6.8 (4.5-8.4)	3.7 (2.5-4.6)	2.0 (1.3-2.5)	1.1 (0.7-1.3)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)	0.0 (0.0-0.0)
2	19 (12-26)	10 (6.4-15)	5.8 (3.5-8.3)	3.1 (1.9-4.6)	1.7 (1.0-2.5)	0.9 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
3	27 (17-40)	16 (9.6-24)	8.9 (5.3-14)	4.9 (2.9-7.7)	2.7 (1.6-4.2)	1.4 (0.8-2.3)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	38 (27-53)	23 (16-34)	13 (8.9-20)	7.5 (4.9-11)	4.1 (2.7-6.3)	2.2 (1.4-3.5)	1.2 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	52 (44-65)	33 (27-44)	20 (16-27)	11 (8.8-16)	6.2 (4.9-8.9)	3.4 (2.6-4.9)	1.8 (1.4-2.7)	1.0 (0.8-1.5)	0.6 (0.4-0.8)	0.3 (0.3-0.5)	0.2 (0.1-0.3)
6	67	46	29	17	9.3	5.1	2.8	1.6	0.9	0.5	0.3

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	8.4	4.8	2.7	1.5	0.8	0.5	0.3	0.2	0.1	0.1	0.0
1	13 (8.8-15)	7.3 (5.0-8.6)	4.2 (2.8-4.9)	2.3 (1.6-2.8)	1.3 (0.9-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	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	19 (12-25)	11 (7.0-15)	6.3 (4.0-8.7)	3.6 (2.3-5.0)	2.0 (1.3-2.8)	1.1 (0.7-1.6)	0.6 (0.4-0.9)	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	27 (18-38)	16 (11-24)	9.5 (6.0-14)	5.5 (3.4-8.2)	3.1 (1.9-4.7)	1.7 (1.1-2.6)	1.0 (0.6-1.5)	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	38 (28-51)	24 (17-33)	14 (10-21)	8.2 (5.7-12)	4.7 (3.2-7.0)	2.6 (1.8-4.0)	1.5 (1.0-2.3)	0.9 (0.6-1.3)	0.5 (0.4-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	50 (44-62)	33 (29-43)	20 (17-28)	12 (10-17)	7.0 (5.8-9.8)	4.0 (3.3-5.6)	2.3 (1.9-3.2)	1.3 (1.1-1.9)	0.8 (0.6-1.1)	0.4 (0.4-0.6)	0.3 (0.2-0.4)
6	64	45	29	18	10	5.9	3.4	2.0	1.2	0.7	0.4

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	8.5	5.1	3.0	1.7	1.0	0.6	0.4	0.2	0.1	0.1	0.1
1	13 (8.9-15)	7.6 (5.3-8.9)	4.5 (3.1-5.3)	2.6 (1.8-3.1)	1.5 (1.1-1.8)	0.9 (0.6-1.1)	0.5 (0.4-0.6)	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 (12-23)	11 (7.5-14)	6.7 (4.4-8.7)	4.0 (2.6-5.2)	2.3 (1.5-3.1)	1.4 (0.9-1.8)	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	26 (18-34)	16 (11-22)	9.9 (6.7-14)	5.9 (3.9-8.3)	3.5 (2.3-5.0)	2.0 (1.3-2.9)	1.2 (0.8-1.8)	0.7 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	35 (28-46)	23 (18-31)	14 (11-20)	8.6 (6.4-12)	5.2 (3.8-7.4)	3.0 (2.2-4.4)	1.8 (1.4-2.7)	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	46 (42-57)	32 (27-41)	20 (17-27)	13 (11-17)	7.5 (6.3-10)	4.5 (3.7-6.2)	2.7 (2.3-3.8)	1.7 (1.4-2.3)	1.0 (0.8-1.4)	0.6 (0.5-0.9)	0.4 (0.3-0.5)
6	58	42	28	18	11	6.5	4.0	2.5	1.5	0.9	0.6

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	8.4	5.2	3.2	2.0	1.2	0.7	0.5	0.3	0.2	0.1	0.1
1	13 (12-17)	8.5 (7.3-11)	5.3 (4.5-6.7)	3.2 (2.8-4.2)	2.0 (1.7-2.6)	1.2 (1.1-1.6)	0.8 (0.7-1.0)	0.5 (0.4-0.6)	0.3 (0.3-0.4)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	21 (17-27)	14 (11-18)	8.5 (6.8-11)	5.3 (4.2-7.2)	3.3 (2.6-4.4)	2.0 (1.6-2.8)	1.3 (1.0-1.8)	0.8 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.3-0.5)	0.2 (0.2-0.3)
3	31 (25-38)	21 (16-26)	14 (10-17)	8.6 (6.4-11)	5.3 (4.0-6.9)	3.3 (2.5-4.4)	2.1 (1.6-2.8)	1.4 (1.0-1.8)	0.9 (0.6-1.1)	0.5 (0.4-0.7)	0.3 (0.3-0.5)
4	44 (36-50)	31 (24-36)	21 (16-25)	14 (10-16)	8.6 (6.3-10)	5.4 (4.0-6.6)	3.5 (2.5-4.3)	2.2 (1.6-2.8)	1.4 (1.0-1.8)	0.9 (0.6-1.1)	0.6 (0.4-0.7)
5	58 (49-61)	44 (36-47)	31 (25-34)	21 (16-23)	14 (11-15)	8.7 (6.7-9.9)	5.6 (4.3-6.5)	3.6 (2.8-4.2)	2.3 (1.8-2.7)	1.5 (1.1-1.7)	0.9 (0.7-1.1)
6	70	57	44	31	21	14	9.0	5.9	3.8	2.4	1.5

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	7.7	5.0	3.2	2.1	1.3	0.9	0.6	0.4	0.3	0.2	0.1
1	14 (11-29)	9.5 (7.0-20)	6.3 (4.6-13)	4.1 (2.9-8.7)	2.6 (1.9-5.7)	1.7 (1.2-3.8)	1.2 (0.8-2.5)	0.8 (0.5-1.7)	0.5 (0.4-1.1)	0.3 (0.2-0.7)	0.2 (0.2-0.5)
2	24 (15-41)	17 (9.9-30)	11 (6.4-21)	7.4 (4.2-14)	4.9 (2.7-9.4)	3.3 (1.8-6.4)	2.2 (1.2-4.3)	1.5 (0.8-2.9)	1.0 (0.5-1.9)	0.6 (0.3-1.3)	0.4 (0.2-0.8)
3	36 (21-53)	27 (15-40)	19 (9.6-29)	13 (6.3-21)	8.6 (4.1-14)	5.8 (2.7-9.5)	3.9 (1.8-6.5)	2.6 (1.2-4.4)	1.8 (0.8-2.9)	1.2 (0.5-2.0)	0.8 (0.3-1.3)
4	51 (30-62)	40 (21-50)	29 (14-39)	21 (9.5-28)	14 (6.2-20)	9.9 (4.2-14)	6.8 (2.8-9.6)	4.6 (1.9-6.6)	3.1 (1.2-4.5)	2.1 (0.8-3.0)	1.4 (0.6-2.0)
5	64 (41-71)	54 (31-60)	43 (22-48)	32 (15-37)	23 (10-27)	16 (6.8-19)	11 (4.6-13)	7.8 (3.1-9.2)	5.3 (2.1-6.3)	3.5 (1.4-4.3)	2.4 (0.9-2.9)
6	75	68	58	46	35	26	18	13	8.8	6.0	4.0

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	6.5	4.5	3.0	2.0	1.4	1.0	0.7	0.5	0.3	0.2	0.2
1	12 (8.5-24)	8.3 (5.8-18)	5.7 (4.0-12)	3.9 (2.7-8.5)	2.7 (1.8-5.9)	1.9 (1.3-4.2)	1.3 (0.9-2.9)	0.9 (0.6-2.1)	0.6 (0.4-1.4)	0.4 (0.3-1.0)	0.3 (0.2-0.7)
2	20 (12-34)	14 (8.1-26)	10 (5.6-19)	7.0 (3.8-13)	4.9 (2.6-9.5)	3.5 (1.8-6.8)	2.4 (1.3-4.8)	1.7 (0.9-3.4)	1.2 (0.6-2.4)	0.8 (0.4-1.7)	0.6 (0.3-1.2)
3	30 (16-45)	23 (12-35)	16 (8.1-27)	12 (5.6-19)	8.3 (3.9-14)	6.0 (2.7-10)	4.2 (1.9-7.2)	3.0 (1.3-5.1)	2.1 (0.9-3.6)	1.5 (0.7-2.5)	1.0 (0.5-1.8)
4	42 (23-54)	33 (17-44)	25 (12-35)	19 (8.3-26)	14 (5.8-19)	9.9 (4.1-14)	7.1 (2.9-10)	5.1 (2.0-7.4)	3.6 (1.4-5.3)	2.5 (1.0-3.8)	1.8 (0.7-2.7)
5	55 (32-61)	46 (24-52)	37 (18-42)	28 (13-33)	21 (9.0-25)	16 (6.5-19)	12 (4.6-14)	8.3 (3.3-10)	6.0 (2.3-7.4)	4.2 (1.6-5.3)	3.0 (1.2-3.8)
6	67	59	49	40	31	24	18	13	9.6	6.9	4.9

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women 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	5.4	3.9	2.8	2.0	1.5	1.1	0.8	0.6	0.4	0.3	0.2
1	9.8 (7.0-20)	7.2 (5.1-15)	5.2 (3.6-11)	3.8 (2.6-8.3)	2.8 (1.9-6.2)	2.1 (1.4-4.6)	1.5 (1.0-3.4)	1.1 (0.8-2.5)	0.8 (0.6-1.9)	0.6 (0.4-1.4)	0.4 (0.3-1.0)
2	16 (9.5-29)	12 (7.0-22)	9.0 (5.1-17)	6.6 (3.7-12)	4.9 (2.7-9.4)	3.7 (2.0-7.1)	2.8 (1.5-5.4)	2.0 (1.1-4.0)	1.5 (0.8-3.0)	1.1 (0.6-2.2)	0.8 (0.4-1.6)
3	25 (13-38)	19 (9.6-30)	15 (7.1-24)	11 (5.1-18)	8.3 (3.8-14)	6.3 (2.9-11)	4.7 (2.1-8.0)	3.5 (1.6-6.0)	2.6 (1.2-4.5)	2.0 (0.9-3.3)	1.4 (0.6-2.5)
4	35 (18-46)	28 (14-38)	22 (10-31)	17 (7.6-24)	13 (5.7-19)	10 (4.3-14)	7.8 (3.2-11)	5.9 (2.4-8.4)	4.4 (1.8-6.3)	3.3 (1.3-4.7)	2.4 (1.0-3.5)
5	47 (25-53)	39 (20-45)	32 (15-37)	25 (11-30)	20 (8.5-24)	16 (6.5-19)	12 (4.9-15)	9.4 (3.7-11)	7.1 (2.8-8.7)	5.4 (2.1-6.6)	4.0 (1.5-5.0)
6	59	51	43	36	29	24	19	15	11	8.6	6.5

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	4.2	3.2	2.4	1.8	1.4	1.1	0.9	0.7	0.5	0.4	0.3
1	7.7 (5.5-17)	5.9 (4.2-13)	4.5 (3.2-9.9)	3.5 (2.4-7.7)	2.7 (1.9-6.1)	2.1 (1.5-4.8)	1.7 (1.2-3.8)	1.3 (0.9-2.9)	1.0 (0.7-2.3)	0.8 (0.5-1.8)	0.6 (0.4-1.4)
2	13 (7.4-23)	10 (5.6-19)	7.8 (4.3-15)	6.1 (3.3-11)	4.8 (2.6-9.1)	3.8 (2.1-7.2)	3.0 (1.6-5.7)	2.3 (1.3-4.5)	1.8 (1.0-3.6)	1.4 (0.8-2.8)	1.1 (0.6-2.2)
3	20 (10-31)	16 (7.9-25)	13 (6.0-20)	10 (4.7-16)	8.0 (3.7-13)	6.4 (2.9-11)	5.1 (2.3-8.5)	4.0 (1.8-6.8)	3.1 (1.4-5.4)	2.5 (1.1-4.2)	1.9 (0.9-3.3)
4	29 (14-39)	24 (11-33)	19 (8.7-27)	16 (6.8-22)	13 (5.4-18)	10 (4.3-15)	8.2 (3.4-12)	6.6 (2.7-9.4)	5.2 (2.1-7.5)	4.1 (1.7-5.9)	3.2 (1.3-4.7)
5	40 (20-46)	34 (16-39)	28 (13-33)	23 (10-27)	19 (8.1-23)	16 (6.4-19)	13 (5.1-15)	10 (4.1-12)	8.3 (3.2-10)	6.6 (2.5-8.0)	5.2 (2.0-6.4)
6	52	45	39	33	28	23	19	16	13	10	8.3