Indonesia - The probabilities of a major osteoporotic fracture in women

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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 Indonesia. 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/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	2.2	2.0	1.9	1.7	1.5	1.3	1.1
1	3.6 (2.4-5.3)	3.2 (2.2-4.6)	3.0 (2.0-4.1)	2.6 (1.8-3.6)	2.3 (1.5-3.1)	2.0 (1.3-2.7)	1.7 (1.2-2.4)
2	5.8 (3.1-9.4)	5.0 (2.7-8.5)	4.6 (2.4-8.0)	4.0 (2.1-7.0)	3.5 (1.8-6.1)	3.1 (1.6-5.4)	2.7 (1.4-4.7)
3	9.2 (4.6-16)	7.8 (3.8-14)	7.1 (3.4-13)	6.1 (2.9-11)	5.3 (2.5-9.9)	4.7 (2.2-8.6)	4.1 (1.9-7.6)
4	14 (7.9-22)	12 (6.5-19)	11 (5.7-17)	9.2 (4.9-15)	8.0 (4.2-13)	7.0 (3.6-12)	6.1 (3.1-10)
5	22 (13-28)	18 (12-23)	16 (11-21)	14 (9.2-18)	12 (8.0-16)	10 (7.0-14)	9.0 (6.1-12)
6	33	27	23	20	17	15	13

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	2.9	2.6	2.4	2.1	1.9	1.6	1.4
1	4.7 (3.3-6.9)	4.1 (2.9-5.8)	3.8 (2.6-5.2)	3.3 (2.3-4.5)	2.9 (2.0-3.9)	2.5 (1.7-3.4)	2.2 (1.5-2.9)
2	7.6 (4.3-12)	6.5 (3.6-11)	5.9 (3.2-9.9)	5.1 (2.8-8.6)	4.4 (2.4-7.5)	3.9 (2.1-6.6)	3.4 (1.8-5.8)
3	12 (6.5-19)	10 (5.2-17)	8.9 (4.5-16)	7.7 (3.8-14)	6.7 (3.3-12)	5.8 (2.9-11)	5.1 (2.5-9.2)
4	18 (11-27)	15 (8.9-23)	13 (7.5-21)	12 (6.4-19)	10 (5.5-16)	8.7 (4.7-14)	7.6 (4.1-12)
5	28 (18-34)	23 (15-29)	20 (14-26)	17 (12-22)	15 (10-20)	13 (8.9-17)	11 (7.7-15)
6	40	33	28	25	21	18	16

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.9	3.4	3.1	2.7	2.3	2.0	1.7
1	6.2 (4.5-8.7)	5.3 (3.7-7.2)	4.8 (3.3-6.4)	4.2 (2.9-5.5)	3.6 (2.5-4.8)	3.1 (2.1-4.1)	2.7 (1.8-3.6)
2	9.8 (6.0-15)	8.3 (4.8-13)	7.4 (4.2-12)	6.4 (3.6-10)	5.5 (3.0-9.1)	4.7 (2.6-7.9)	4.1 (2.3-6.9)
3	15 (9.1-23)	13 (7.1-21)	11 (5.9-19)	9.6 (5.0-16)	8.3 (4.3-14)	7.1 (3.7-13)	6.2 (3.1-11)
4	23 (14-33)	19 (12-28)	16 (10-25)	14 (8.4-22)	12 (7.2-19)	11 (6.1-17)	9.1 (5.2-15)
5	34 (23-41)	28 (20-35)	24 (17-31)	21 (15-27)	18 (13-23)	15 (11-20)	13 (9.5-18)
6	47	39	34	29	26	22	19

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	4.7	4.0	3.5	3.0	2.6	2.2	1.9
1	7.4 (5.5-10)	6.2 (4.5-8.2)	5.5 (3.9-7.1)	4.7 (3.3-6.1)	4.0 (2.8-5.2)	3.4 (2.4-4.5)	2.9 (2.0-3.8)
2	12 (7.5-17)	9.6 (5.9-14)	8.3 (4.9-13)	7.1 (4.2-11)	6.1 (3.5-9.6)	5.2 (3.0-8.4)	4.5 (2.5-7.3)
3	18 (12-25)	14 (9.0-22)	12 (7.2-20)	11 (6.0-17)	9.1 (5.1-15)	7.8 (4.3-13)	6.7 (3.6-11)
4	26 (17-35)	21 (14-31)	18 (12-27)	16 (10-24)	13 (8.5-21)	11 (7.1-18)	9.8 (6.0-15)
5	37 (27-44)	31 (23-38)	26 (20-34)	23 (17-29)	19 (14-25)	17 (12-22)	14 (10-19)
6	49	43	37	32	28	24	20

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.5	4.5	3.9	3.3	2.8	2.4	2.0
1	8.7 (6.4-11)	7.0 (5.2-8.8)	5.9 (4.4-7.5)	5.0 (3.7-6.4)	4.2 (3.1-5.4)	3.5 (2.6-4.6)	3.0 (2.2-3.9)
2	14 (8.9-19)	11 (7.1-15)	9.0 (5.7-13)	7.5 (4.8-11)	6.3 (3.9-8.9)	5.3 (3.3-7.5)	4.4 (2.8-6.3)
3	21 (14-29)	17 (11-24)	14 (8.6-20)	11 (7.1-17)	9.4 (5.9-14)	7.9 (4.9-12)	6.6 (4.0-10)
4	31 (22-42)	25 (18-35)	20 (14-29)	17 (12-25)	14 (9.6-21)	12 (7.9-17)	9.8 (6.5-15)
5	43 (37-52)	37 (31-45)	30 (25-37)	25 (21-32)	21 (17-27)	17 (14-22)	14 (11-19)
6	56	51	43	36	31	26	21

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	6.2	5.2	4.5	3.8	3.2	2.7	2.2
1	10 (7.2-16)	8.5 (6.0-12)	7.0 (5.1-9.0)	5.8 (4.2-7.2)	4.8 (3.4-5.9)	4.0 (2.9-4.8)	3.3 (2.4-4.1)
2	17 (10-26)	14 (8.3-20)	11 (6.8-16)	9.0 (5.5-13)	7.3 (4.5-10)	6.0 (3.7-8.5)	4.9 (3.1-7.0)
3	26 (15-39)	21 (13-31)	17 (10-25)	14 (8.5-21)	11 (6.9-17)	9.3 (5.6-14)	7.6 (4.6-11)
4	38 (23-51)	32 (20-45)	26 (17-37)	22 (13-31)	18 (11-26)	14 (8.9-21)	12 (7.2-17)
5	51 (36-60)	46 (32-55)	39 (28-48)	32 (23-40)	27 (19-34)	22 (15-28)	18 (13-23)
6	63	59	53	46	39	33	27

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	6.7	6.0	5.5	4.5	3.8	3.1	2.6
1	11 (7.5-17)	9.4 (6.6-14)	8.3 (6.0-11)	6.8 (4.9-8.9)	5.6 (4.0-7.1)	4.6 (3.2-5.7)	3.8 (2.7-4.6)
2	17 (11-27)	15 (9.1-22)	13 (8.0-17)	10 (6.5-14)	8.3 (5.2-11)	6.8 (4.3-9.3)	5.5 (3.5-7.6)
3	25 (15-37)	22 (13-31)	19 (12-26)	15 (9.6-22)	12 (7.8-17)	10 (6.2-14)	8.2 (5.0-12)
4	35 (22-47)	32 (20-42)	28 (18-37)	23 (15-31)	18 (12-26)	15 (9.5-21)	12 (7.7-17)
5	47 (32-56)	43 (29-52)	39 (27-47)	32 (22-40)	27 (18-34)	22 (15-28)	18 (12-23)
6	59	55	51	44	38	31	26

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	7.1	6.8	6.7	5.5	4.6	3.8	3.1
1	11 (7.6-18)	10 (7.1-15)	9.9 (7.0-13)	8.1 (5.6-11)	6.6 (4.6-8.5)	5.4 (3.7-6.8)	4.4 (3.0-5.5)
2	17 (10-27)	16 (9.8-24)	15 (9.2-20)	12 (7.5-17)	9.6 (6.0-13)	7.8 (4.9-11)	6.3 (4.0-8.9)
3	25 (15-37)	23 (13-33)	21 (13-30)	17 (10-25)	14 (8.3-20)	11 (6.7-16)	9.1 (5.4-13)
4	35 (21-46)	32 (20-43)	30 (19-40)	24 (16-33)	20 (13-28)	16 (10-23)	13 (8.1-19)
5	46 (31-55)	43 (29-52)	40 (28-49)	34 (23-42)	28 (19-36)	23 (16-30)	19 (13-25)
6	57	54	51	45	38	32	26

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	7.1	7.0	7.1	5.8	4.8	3.9	3.2
1	11 (7.6-18)	11 (7.3-16)	10 (7.2-14)	8.4 (5.8-11)	6.9 (4.7-9.0)	5.6 (3.8-7.2)	4.6 (3.1-5.7)
2	17 (10-27)	16 (9.9-24)	15 (9.6-21)	12 (7.7-17)	9.9 (6.2-14)	8.0 (5.0-11)	6.5 (4.1-9.3)
3	25 (15-37)	23 (14-34)	22 (13-31)	18 (11-26)	14 (8.4-21)	12 (6.8-17)	9.4 (5.4-14)
4	35 (21-46)	32 (20-43)	30 (20-40)	25 (16-34)	20 (13-28)	17 (10-23)	13 (8.2-19)
5	45 (31-54)	43 (29-51)	40 (28-49)	34 (24-42)	28 (19-36)	23 (16-30)	19 (13-25)
6	56	54	51	45	38	32	26