

Palestine - 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 Palestine. 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	2.3	2.1	1.9	1.7	1.5	1.3	1.1
1	3.8 (2.6-5.7)	3.3 (2.3-4.8)	3.0 (2.1-4.2)	2.7 (1.8-3.7)	2.3 (1.6-3.2)	2.0 (1.4-2.8)	1.8 (1.2-2.4)
2	6.2 (3.4-10)	5.2 (2.8-8.7)	4.7 (2.5-8.1)	4.1 (2.2-7.1)	3.6 (1.9-6.2)	3.1 (1.6-5.4)	2.7 (1.4-4.8)
3	9.9 (5.0-17)	8.2 (4.0-14)	7.3 (3.5-13)	6.3 (3.0-12)	5.5 (2.6-10)	4.8 (2.3-8.8)	4.2 (2.0-7.7)
4	16 (8.5-24)	13 (7.0-20)	11 (5.9-18)	9.5 (5.1-16)	8.3 (4.4-14)	7.2 (3.8-12)	6.2 (3.3-10)
5	24 (15-30)	19 (12-25)	16 (11-22)	14 (9.5-19)	12 (8.2-16)	11 (7.2-14)	9.3 (6.2-13)
6	36	28	24	21	18	16	14

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.6	3.2	2.9	2.5	2.2	1.9	1.7
1	5.9 (4.2-8.6)	5.0 (3.5-7.1)	4.6 (3.1-6.2)	4.0 (2.7-5.4)	3.4 (2.4-4.7)	3.0 (2.0-4.0)	2.6 (1.8-3.5)
2	9.6 (5.5-15)	8.0 (4.5-13)	7.1 (3.9-12)	6.1 (3.3-10)	5.3 (2.9-8.9)	4.6 (2.5-7.8)	4.0 (2.2-6.8)
3	15 (8.3-24)	12 (6.5-21)	11 (5.4-19)	9.3 (4.7-16)	8.1 (4.0-14)	7.0 (3.5-13)	6.1 (3.0-11)
4	23 (13-34)	19 (11-28)	16 (9.3-25)	14 (7.9-22)	12 (6.8-19)	10 (5.8-17)	9.1 (5.0-15)
5	35 (23-43)	28 (19-35)	24 (16-30)	20 (14-27)	18 (12-23)	15 (11-20)	13 (9.3-18)
6	50	40	34	29	26	22	19

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.1	4.3	3.9	3.4	2.9	2.5	2.2
1	8.2 (6.0-12)	6.8 (4.9-9.3)	6.0 (4.2-8.0)	5.2 (3.6-6.9)	4.5 (3.1-6.0)	3.9 (2.7-5.2)	3.4 (2.3-4.5)
2	13 (8.1-20)	11 (6.3-16)	9.3 (5.3-15)	8.0 (4.5-13)	6.9 (3.9-11)	6.0 (3.3-9.8)	5.2 (2.9-8.6)
3	20 (12-30)	16 (9.3-26)	14 (7.5-23)	12 (6.4-20)	10 (5.5-18)	9.0 (4.7-16)	7.8 (4.0-14)
4	30 (19-42)	24 (15-35)	21 (13-31)	18 (11-27)	15 (9.3-24)	13 (7.9-21)	12 (6.7-18)
5	44 (31-52)	35 (25-43)	30 (22-38)	26 (19-33)	22 (16-29)	19 (14-25)	17 (12-22)
6	59	49	42	37	32	28	24

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	6.8	5.6	4.9	4.2	3.6	3.1	2.7
1	11 (8.2-14)	8.8 (6.5-12)	7.6 (5.5-9.8)	6.5 (4.6-8.4)	5.6 (4.0-7.2)	4.8 (3.4-6.2)	4.2 (2.9-5.4)
2	17 (11-24)	14 (8.5-19)	12 (6.9-18)	9.9 (5.9-15)	8.5 (5.0-13)	7.3 (4.2-12)	6.3 (3.6-10)
3	25 (17-35)	20 (13-30)	17 (10-27)	15 (8.5-24)	13 (7.2-21)	11 (6.1-18)	9.4 (5.1-16)
4	37 (25-48)	30 (20-41)	25 (17-37)	22 (14-32)	19 (12-28)	16 (10-25)	14 (8.6-21)
5	50 (39-59)	42 (32-50)	36 (27-44)	31 (23-39)	27 (20-34)	23 (17-30)	20 (15-26)
6	65	56	49	43	37	33	28

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.4	6.9	6.0	5.1	4.3	3.7	3.2
1	13 (10-16)	11 (8.0-13)	8.9 (6.7-11)	7.6 (5.6-9.7)	6.4 (4.8-8.3)	5.5 (4.0-7.1)	4.7 (3.4-6.1)
2	21 (14-28)	16 (11-22)	13 (8.6-18)	11 (7.2-16)	9.6 (6.1-13)	8.1 (5.1-11)	6.9 (4.3-9.7)
3	31 (21-42)	25 (16-35)	20 (13-29)	17 (11-25)	14 (8.9-21)	12 (7.4-18)	10 (6.2-15)
4	44 (33-57)	36 (27-49)	29 (21-41)	25 (18-35)	21 (15-30)	18 (12-26)	15 (10-22)
5	59 (53-68)	50 (44-59)	42 (35-50)	36 (30-44)	30 (25-38)	26 (21-32)	22 (17-28)
6	72	66	57	50	43	37	31

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.6	8.0	7.0	5.9	5.0	4.2	3.6
1	16 (11-22)	13 (9.2-17)	11 (7.8-13)	8.8 (6.5-11)	7.4 (5.4-9.0)	6.2 (4.6-7.7)	5.2 (3.8-6.5)
2	25 (15-36)	20 (12-28)	16 (10-22)	13 (8.4-18)	11 (7.0-15)	9.2 (5.9-12)	7.7 (4.9-10)
3	37 (23-51)	30 (19-43)	24 (15-35)	20 (13-29)	17 (10-24)	14 (8.6-20)	11 (7.2-17)
4	51 (34-64)	44 (29-58)	36 (24-49)	30 (20-42)	25 (17-35)	21 (14-30)	17 (11-25)
5	64 (50-73)	59 (45-68)	50 (39-60)	43 (33-52)	37 (28-45)	31 (23-38)	26 (20-32)
6	75	72	66	59	51	44	37

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	8.7	7.7	6.5	5.4	4.5	3.8
1	16 (12-24)	14 (9.8-19)	12 (8.5-15)	9.6 (7.0-12)	8.0 (5.8-9.8)	6.6 (4.8-8.0)	5.5 (4.0-6.5)
2	24 (16-36)	21 (13-29)	17 (11-24)	14 (9.3-19)	12 (7.6-16)	9.8 (6.3-13)	8.1 (5.2-11)
3	35 (23-48)	30 (20-42)	26 (17-35)	21 (14-29)	18 (11-24)	14 (9.4-20)	12 (7.7-17)
4	47 (32-59)	43 (29-55)	37 (26-48)	31 (21-41)	26 (17-35)	21 (14-29)	17 (12-24)
5	59 (45-68)	55 (41-64)	50 (37-59)	43 (32-52)	36 (27-45)	31 (22-38)	25 (19-32)
6	70	67	63	56	49	42	36

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	%10.0	9.0	8.2	6.7	5.6	4.6	3.8
1	16 (11-24)	14 (9.8-20)	12 (8.9-17)	10 (7.2-13)	8.3 (5.9-11)	6.8 (4.8-8.7)	5.6 (3.9-7.0)
2	24 (15-36)	21 (13-31)	18 (12-25)	15 (9.6-21)	12 (7.8-17)	10 (6.4-14)	8.2 (5.2-11)
3	34 (21-47)	30 (19-42)	27 (17-37)	22 (14-31)	18 (11-25)	15 (9.2-21)	12 (7.4-17)
4	45 (30-57)	41 (28-53)	38 (26-49)	32 (21-42)	26 (17-36)	22 (14-30)	18 (11-25)
5	57 (42-65)	53 (39-62)	50 (37-59)	43 (31-52)	36 (26-45)	30 (21-38)	25 (17-32)
6	67	65	62	55	48	41	35

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	9.9	9.8	10	8.2	6.7	5.5	4.5
1	15 (10-24)	15 (10-22)	15 (10-20)	12 (8.2-16)	9.6 (6.6-13)	7.8 (5.3-11)	6.3 (4.2-8.4)
2	23 (14-35)	21 (13-32)	21 (13-30)	17 (11-25)	14 (8.5-20)	11 (6.7-16)	9.0 (5.4-13)
3	32 (19-45)	30 (18-43)	29 (18-41)	24 (14-35)	20 (11-29)	16 (9.0-24)	13 (7.2-20)
4	42 (27-55)	40 (26-52)	38 (26-50)	32 (21-43)	27 (17-37)	22 (14-31)	18 (11-26)
5	54 (39-62)	51 (36-60)	49 (35-57)	42 (30-51)	36 (25-45)	30 (20-38)	25 (17-32)
6	63	62	59	53	46	40	34