

Israel - The probabilities of a major osteoporotic fracture in men

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 Israel. 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	2.1	2.0	1.9	1.6	1.4	1.3	1.1
1	3.4 (2.3-5.1)	3.1 (2.1-4.4)	3.0 (2.0-4.1)	2.6 (1.7-3.6)	2.2 (1.5-3.1)	2.0 (1.3-2.7)	1.7 (1.1-2.3)
2	5.5 (3.0-9.1)	4.9 (2.6-8.3)	4.6 (2.4-7.9)	4.0 (2.1-6.9)	3.5 (1.8-6.1)	3.0 (1.6-5.3)	2.6 (1.4-4.7)
3	8.7 (4.3-15)	7.6 (3.7-13)	7.0 (3.3-13)	6.0 (2.9-11)	5.3 (2.5-9.7)	4.6 (2.2-8.5)	4.0 (1.9-7.4)
4	13 (7.5-21)	12 (6.2-18)	10 (5.5-17)	9.1 (4.7-15)	7.9 (4.1-13)	6.8 (3.5-11)	5.9 (3.0-10)
5	20 (12-26)	17 (11-23)	15 (10-21)	13 (8.9-18)	12 (7.8-16)	10 (6.8-14)	8.7 (5.9-12)
6	30	25	22	19	17	15	13

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	3.0	2.8	2.6	2.3	2.0	1.7	1.5
1	4.9 (3.4-7.1)	4.4 (3.0-6.1)	4.1 (2.8-5.6)	3.6 (2.4-4.8)	3.1 (2.1-4.2)	2.7 (1.8-3.6)	2.3 (1.6-3.2)
2	7.7 (4.4-12)	6.8 (3.8-11)	6.3 (3.4-11)	5.4 (2.9-9.2)	4.7 (2.5-8.1)	4.1 (2.2-7.1)	3.6 (1.9-6.2)
3	12 (6.6-20)	10 (5.4-18)	9.5 (4.8-17)	8.2 (4.1-15)	7.1 (3.5-13)	6.2 (3.0-11)	5.4 (2.6-9.8)
4	18 (11-27)	16 (9.1-24)	14 (7.9-22)	12 (6.7-20)	11 (5.8-17)	9.2 (4.9-15)	8.0 (4.3-13)
5	27 (18-34)	23 (15-30)	20 (14-27)	18 (12-24)	15 (11-21)	13 (9.3-18)	12 (8.0-16)
6	39	33	29	25	22	19	17

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.2	3.8	3.5	3.0	2.6	2.3	2.0
1	6.7 (4.8-9.5)	5.9 (4.1-8.1)	5.5 (3.8-7.3)	4.7 (3.2-6.3)	4.1 (2.8-5.4)	3.5 (2.4-4.7)	3.0 (2.1-4.0)
2	11 (6.4-16)	9.1 (5.3-14)	8.3 (4.7-13)	7.2 (4.0-12)	6.2 (3.4-10)	5.3 (2.9-8.9)	4.6 (2.5-7.8)
3	16 (9.7-24)	14 (7.8-22)	12 (6.6-21)	11 (5.7-18)	9.2 (4.8-16)	8.0 (4.1-14)	6.9 (3.5-12)
4	24 (15-34)	20 (13-30)	18 (11-28)	16 (9.3-25)	14 (7.9-21)	12 (6.7-19)	10 (5.7-16)
5	34 (24-42)	29 (21-37)	26 (19-34)	23 (16-30)	20 (14-26)	17 (12-23)	15 (10-20)
6	47	41	36	32	28	24	21

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	5.7	4.9	4.5	3.9	3.3	2.8	2.5
1	8.9 (6.6-12)	7.7 (5.5-10)	6.9 (4.9-9.0)	5.9 (4.2-7.7)	5.1 (3.5-6.6)	4.4 (3.0-5.7)	3.7 (2.6-4.9)
2	14 (8.9-19)	12 (7.3-17)	10 (6.2-16)	8.9 (5.2-14)	7.7 (4.4-12)	6.6 (3.8-11)	5.6 (3.2-9.2)
3	20 (14-28)	17 (11-26)	15 (9.0-25)	13 (7.6-21)	11 (6.4-19)	9.7 (5.4-16)	8.3 (4.5-14)
4	29 (20-39)	25 (17-36)	22 (15-33)	19 (12-29)	16 (10-25)	14 (8.7-22)	12 (7.3-19)
5	40 (30-48)	35 (27-44)	32 (24-40)	27 (20-35)	23 (17-30)	20 (15-26)	17 (13-23)
6	52	47	43	37	32	28	24

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	7.6	6.5	5.8	4.9	4.1	3.5	3.0
1	12 (8.7-15)	9.9 (7.3-12)	8.6 (6.3-11)	7.2 (5.3-9.3)	6.1 (4.4-7.9)	5.2 (3.7-6.7)	4.4 (3.1-5.7)
2	18 (12-25)	15 (9.9-21)	13 (8.3-18)	11 (6.9-15)	9.0 (5.7-13)	7.6 (4.8-11)	6.4 (4.0-9.1)
3	27 (18-37)	23 (15-32)	19 (12-28)	16 (10-24)	13 (8.4-20)	11 (7.0-17)	9.4 (5.8-14)
4	38 (27-49)	33 (23-44)	28 (20-39)	23 (16-33)	20 (13-28)	16 (11-24)	14 (9.1-20)
5	50 (44-59)	45 (39-54)	39 (33-48)	33 (27-41)	28 (23-36)	24 (19-30)	20 (16-26)
6	62	58	53	46	39	34	28

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	10	8.6	7.4	6.2	5.1	4.3	3.6
1	16 (12-25)	14 (9.8-20)	11 (8.3-15)	9.5 (6.8-12)	7.8 (5.6-9.8)	6.4 (4.6-8.0)	5.3 (3.8-6.5)
2	25 (16-38)	21 (13-32)	18 (11-25)	15 (9.1-21)	12 (7.4-17)	9.8 (6.1-14)	8.1 (5.0-11)
3	36 (22-52)	32 (20-46)	27 (17-38)	22 (14-32)	18 (11-27)	15 (9.2-22)	12 (7.5-18)
4	49 (33-62)	45 (30-58)	39 (26-52)	33 (21-45)	27 (17-38)	23 (14-32)	19 (12-27)
5	61 (47-69)	58 (44-67)	53 (40-63)	46 (34-56)	39 (29-48)	33 (24-41)	27 (20-35)
6	71	69	66	60	53	46	39

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	11	9.0	7.4	6.0	4.9	4.1
1	20 (14-31)	17 (12-26)	14 (10-20)	11 (8.3-16)	9.3 (6.7-13)	7.6 (5.4-10)	6.2 (4.4-8.3)
2	29 (20-44)	26 (17-38)	22 (14-31)	18 (11-25)	14 (9.1-20)	12 (7.3-16)	9.4 (5.9-13)
3	40 (26-55)	37 (24-50)	32 (21-44)	26 (17-37)	22 (14-31)	18 (11-25)	14 (8.8-20)
4	52 (36-64)	49 (33-60)	44 (31-56)	38 (25-49)	31 (21-42)	26 (17-36)	21 (14-30)
5	63 (48-70)	60 (46-69)	57 (43-66)	50 (36-59)	43 (30-52)	37 (25-45)	31 (21-38)
6	72	70	68	62	56	49	42

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	13	12	10	8.2	6.6	5.4	4.4
1	21 (15-33)	18 (13-28)	16 (11-23)	13 (9.0-18)	10 (7.2-15)	8.2 (5.8-12)	6.6 (4.6-9.3)
2	32 (21-47)	27 (18-41)	24 (15-34)	19 (12-28)	16 (9.9-23)	13 (7.9-18)	10 (6.3-15)
3	43 (29-58)	39 (25-53)	34 (22-47)	28 (18-40)	23 (14-33)	19 (11-27)	15 (9.1-22)
4	55 (39-67)	51 (35-63)	47 (32-59)	40 (26-52)	34 (22-45)	28 (18-38)	23 (14-31)
5	66 (52-72)	63 (48-71)	59 (44-68)	53 (38-62)	46 (32-55)	39 (26-48)	32 (21-41)
6	72	73	71	65	58	51	44

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	12	11	10	8.1	6.6	5.4	4.4
1	19 (13-30)	17 (12-26)	15 (11-22)	12 (8.6-18)	9.9 (6.9-14)	8.0 (5.5-11)	6.5 (4.4-8.9)
2	28 (19-43)	25 (16-38)	22 (15-33)	18 (12-27)	15 (9.3-22)	12 (7.4-18)	9.6 (5.9-14)
3	39 (25-53)	35 (23-49)	32 (20-44)	27 (16-38)	22 (13-31)	18 (10-26)	14 (8.3-21)
4	51 (35-63)	47 (32-59)	43 (29-55)	37 (24-48)	31 (20-41)	26 (16-35)	21 (13-29)
5	61 (47-68)	59 (44-67)	55 (41-64)	49 (35-58)	42 (29-51)	36 (24-44)	30 (19-37)
6	67	68	66	61	54	47	40