

Israel - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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	0.7	0.4	0.2	0.2	0.1	0.1	0.1
1	1.5 (0.9-2.8)	0.8 (0.5-1.5)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)	0.2 (0.1-0.3)
2	2.8 (1.4-6.0)	1.5 (0.8-3.3)	0.8 (0.4-1.8)	0.6 (0.3-1.4)	0.5 (0.3-1.1)	0.4 (0.2-0.8)	0.3 (0.2-0.6)
3	5.3 (2.2-10)	2.9 (1.2-5.7)	1.6 (0.6-3.1)	1.2 (0.5-2.4)	0.9 (0.4-1.9)	0.7 (0.3-1.5)	0.6 (0.2-1.1)
4	9.6 (3.8-15)	5.3 (2.0-8.6)	2.9 (1.1-4.7)	2.2 (0.9-3.7)	1.7 (0.7-2.9)	1.4 (0.5-2.2)	1.1 (0.4-1.7)
5	17 (8.0-22)	9.4 (4.4-13)	5.2 (2.4-7.0)	4.1 (1.8-5.5)	3.2 (1.4-4.3)	2.5 (1.1-3.3)	1.9 (0.9-2.6)
6	28	16	9.1	7.2	5.6	4.4	3.4

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	1.4	0.7	0.4	0.3	0.2	0.2	0.1
1	2.6 (1.8-4.6)	1.4 (1.0-2.5)	0.8 (0.5-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.2-0.6)	0.3 (0.2-0.5)
2	4.9 (2.7-9.6)	2.7 (1.5-5.3)	1.5 (0.8-2.9)	1.1 (0.6-2.2)	0.9 (0.5-1.7)	0.7 (0.4-1.4)	0.5 (0.3-1.0)
3	8.9 (4.1-16)	4.9 (2.2-9.2)	2.7 (1.2-5.0)	2.1 (0.9-3.9)	1.6 (0.7-3.1)	1.3 (0.6-2.4)	1.0 (0.4-1.9)
4	15 (7.1-24)	8.7 (3.9-14)	4.8 (2.1-7.6)	3.8 (1.6-5.9)	2.9 (1.3-4.7)	2.3 (1.0-3.6)	1.8 (0.8-2.8)
5	26 (14-33)	15 (8.2-20)	8.5 (4.5-11)	6.6 (3.5-8.8)	5.2 (2.7-6.9)	4.1 (2.1-5.4)	3.2 (1.6-4.2)
6	41	25	15	11	9.0	7.1	5.5

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	2.7	1.5	0.8	0.6	0.5	0.4	0.3
1	4.8 (3.5-7.5)	2.7 (1.9-4.2)	1.5 (1.0-2.3)	1.1 (0.8-1.8)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.5 (0.4-0.8)
2	8.6 (5.1-15)	4.8 (2.8-8.7)	2.6 (1.5-4.8)	2.1 (1.2-3.7)	1.6 (0.9-2.9)	1.2 (0.7-2.3)	1.0 (0.6-1.8)
3	15 (7.7-25)	8.5 (4.3-15)	4.7 (2.3-8.4)	3.7 (1.8-6.5)	2.9 (1.4-5.1)	2.2 (1.1-4.0)	1.7 (0.9-3.1)
4	25 (13-36)	15 (7.5-22)	8.2 (4.1-12)	6.4 (3.2-9.8)	5.0 (2.5-7.7)	3.9 (1.9-6.0)	3.1 (1.5-4.7)
5	39 (26-48)	24 (15-30)	14 (8.6-18)	11 (6.7-14)	8.7 (5.3-11)	6.8 (4.1-8.9)	5.3 (3.2-7.0)
6	57	38	23	18	15	12	9.0

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	4.9	2.8	1.5	1.2	0.9	0.7	0.6
1	8.5 (6.4-12)	4.8 (3.6-6.7)	2.7 (2.0-3.7)	2.1 (1.5-2.9)	1.6 (1.2-2.3)	1.3 (0.9-1.8)	1.0 (0.7-1.4)
2	14 (9.3-23)	8.4 (5.3-14)	4.7 (2.9-7.7)	3.7 (2.3-6.1)	2.8 (1.8-4.7)	2.2 (1.4-3.7)	1.7 (1.1-2.9)
3	23 (14-36)	14 (8.0-23)	8.0 (4.5-13)	6.3 (3.5-10)	4.9 (2.7-8.2)	3.8 (2.1-6.4)	3.0 (1.6-5.0)
4	36 (23-49)	23 (14-32)	13 (7.8-20)	11 (6.1-16)	8.4 (4.7-12)	6.5 (3.7-9.6)	5.1 (2.9-7.5)
5	52 (41-61)	36 (26-43)	22 (16-28)	18 (12-22)	14 (9.7-18)	11 (7.6-14)	8.6 (5.9-11)
6	70	52	34	28	22	18	14

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	8.9	5.2	2.9	2.3	1.8	1.4	1.0
1	16 (12-18)	9.3 (7.4-11)	5.3 (4.3-6.1)	4.2 (3.3-4.8)	3.2 (2.6-3.7)	2.5 (2.0-2.9)	1.9 (1.5-2.3)
2	26 (18-34)	16 (11-21)	9.6 (6.4-13)	7.5 (5.0-9.9)	5.9 (3.9-7.8)	4.6 (3.0-6.1)	3.5 (2.3-4.7)
3	41 (30-54)	27 (19-38)	17 (11-24)	13 (8.7-20)	10 (6.8-15)	8.2 (5.3-12)	6.4 (4.1-9.6)
4	59 (47-71)	43 (34-56)	28 (21-39)	23 (17-32)	18 (13-26)	14 (11-20)	11 (8.3-16)
5	74 (69-81)	62 (56-70)	45 (40-52)	37 (33-44)	30 (26-36)	24 (21-29)	19 (17-24)
6	84	78	64	56	47	39	32

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	15	9.4	5.5	4.3	3.3	2.6	2.0
1	27 (20-42)	18 (13-29)	11 (7.9-18)	8.4 (6.2-14)	6.6 (4.8-11)	5.1 (3.7-8.8)	4.0 (2.9-6.8)
2	42 (28-60)	30 (19-47)	20 (12-33)	16 (9.3-26)	12 (7.2-21)	9.7 (5.6-17)	7.6 (4.3-13)
3	59 (43-75)	47 (31-65)	34 (20-50)	27 (16-42)	22 (12-35)	18 (9.7-28)	14 (7.6-22)
4	72 (58-82)	65 (47-79)	52 (33-68)	44 (27-60)	37 (21-51)	30 (17-43)	24 (13-36)
5	82 (72-86)	79 (65-85)	71 (52-79)	63 (44-73)	55 (37-65)	47 (30-56)	39 (24-48)
6	87	86	84	79	73	66	58

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	21	14	8.8	6.8	5.3	4.1	3.2
1	34 (26-51)	24 (19-40)	16 (12-27)	13 (9.5-22)	10 (7.4-17)	7.8 (5.7-14)	6.0 (4.4-11)
2	48 (36-67)	39 (27-57)	28 (18-44)	22 (14-37)	18 (11-30)	14 (8.6-24)	11 (6.6-19)
3	62 (47-76)	55 (37-71)	43 (26-62)	36 (21-53)	29 (16-45)	24 (13-38)	19 (10-31)
4	73 (59-82)	69 (52-79)	60 (40-74)	52 (33-66)	45 (27-59)	37 (22-50)	31 (17-42)
5	80 (71-85)	79 (67-84)	75 (59-82)	69 (50-77)	61 (43-70)	54 (35-63)	46 (29-55)
6	84	85	84	80	75	69	62

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	22	16	10	8.1	6.2	4.8	3.7
1	35 (27-52)	27 (20-43)	19 (14-31)	15 (11-25)	12 (8.4-20)	9.0 (6.5-16)	6.9 (5.0-12)
2	49 (36-67)	41 (28-59)	31 (20-47)	25 (16-40)	20 (12-33)	16 (9.7-26)	12 (7.5-21)
3	62 (48-76)	56 (39-71)	46 (29-64)	39 (23-56)	32 (19-48)	26 (15-40)	21 (11-33)
4	73 (59-81)	69 (53-79)	62 (44-75)	55 (37-68)	47 (30-61)	40 (24-53)	33 (19-45)
5	79 (71-82)	78 (67-83)	75 (60-82)	69 (52-77)	63 (44-71)	55 (37-64)	48 (30-57)
6	80	83	83	80	75	70	63

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	18	14	9.7	7.5	5.7	4.4	3.4
1	29 (21-45)	23 (17-37)	17 (12-29)	13 (9.6-23)	10 (7.4-18)	8.1 (5.7-14)	6.2 (4.3-11)
2	41 (30-59)	35 (24-53)	28 (18-43)	22 (14-36)	18 (11-29)	14 (8.5-23)	11 (6.5-19)
3	54 (40-69)	49 (33-64)	41 (26-58)	35 (21-50)	28 (16-42)	23 (13-35)	18 (9.9-29)
4	65 (50-76)	62 (45-73)	56 (38-68)	49 (31-62)	41 (25-54)	35 (20-46)	28 (16-39)
5	73 (63-77)	72 (59-78)	69 (53-76)	63 (45-71)	56 (38-65)	48 (31-58)	41 (25-50)
6	75	78	78	74	68	62	55