

Israel - 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 Israel. 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	12	6.0	3.1	1.6	0.8	0.4	0.2	0.1	0.1	0.0	0.0
1	18 (12-23)	9.6 (6.3-12)	5.0 (3.3-6.6)	2.6 (1.7-3.4)	1.3 (0.9-1.7)	0.7 (0.4-0.9)	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	27 (17-39)	15 (8.9-22)	8.0 (4.6-12)	4.1 (2.4-6.3)	2.1 (1.2-3.3)	1.1 (0.6-1.7)	0.6 (0.3-0.9)	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	39 (24-57)	23 (13-35)	12 (7.0-20)	6.5 (3.6-11)	3.4 (1.9-5.6)	1.7 (0.9-2.9)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
4	54 (38-72)	33 (22-48)	19 (12-29)	10 (6.2-16)	5.3 (3.2-8.4)	2.7 (1.6-4.4)	1.4 (0.8-2.3)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
5	70 (60-83)	47 (37-61)	28 (21-38)	15 (11-22)	8.1 (6.0-12)	4.2 (3.1-6.2)	2.2 (1.6-3.2)	1.1 (0.8-1.7)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
6	85	63	40	23	12	6.5	3.3	1.8	0.9	0.5	0.3

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

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	13	7.0	3.8	2.0	1.1	0.6	0.3	0.2	0.1	0.1	0.0
1	19 (13-23)	11 (7.3-13)	6.0 (4.0-7.3)	3.3 (2.2-4.0)	1.8 (1.2-2.2)	0.9 (0.6-1.2)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	29 (18-39)	17 (10-23)	9.3 (5.6-13)	5.1 (3.0-7.4)	2.8 (1.6-4.0)	1.5 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.6)	0.2 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	41 (26-57)	25 (15-37)	14 (8.4-22)	7.9 (4.6-12)	4.3 (2.5-6.9)	2.3 (1.4-3.8)	1.3 (0.7-2.0)	0.7 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	55 (41-72)	36 (25-50)	21 (14-31)	12 (7.9-18)	6.7 (4.3-10)	3.6 (2.3-5.7)	2.0 (1.3-3.1)	1.1 (0.7-1.7)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	70 (62-83)	49 (41-63)	31 (25-42)	18 (14-25)	10 (7.9-14)	5.6 (4.3-8.0)	3.0 (2.3-4.4)	1.7 (1.3-2.4)	0.9 (0.7-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.4)
6	84	65	43	26	15	8.4	4.6	2.6	1.4	0.8	0.4

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	15	8.4	4.8	2.7	1.5	0.8	0.5	0.3	0.2	0.1	0.1
1	22 (15-25)	13 (8.8-15)	7.3 (5.0-8.7)	4.2 (2.8-4.9)	2.3 (1.6-2.8)	1.3 (0.9-1.5)	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)
2	31 (21-41)	19 (12-26)	11 (7.0-15)	6.4 (4.0-8.8)	3.6 (2.2-5.0)	2.0 (1.2-2.8)	1.2 (0.7-1.6)	0.7 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	44 (30-59)	28 (18-40)	17 (11-25)	9.7 (6.0-15)	5.5 (3.4-8.5)	3.1 (1.9-4.8)	1.8 (1.1-2.8)	1.0 (0.6-1.6)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	58 (46-73)	39 (29-53)	24 (17-35)	14 (10-21)	8.4 (5.8-13)	4.8 (3.3-7.2)	2.7 (1.9-4.2)	1.6 (1.1-2.4)	0.9 (0.6-1.4)	0.5 (0.4-0.8)	0.3 (0.2-0.5)
5	72 (66-84)	53 (46-66)	35 (29-46)	21 (18-29)	12 (10-17)	7.2 (5.8-10)	4.1 (3.3-5.9)	2.4 (1.9-3.4)	1.4 (1.1-2.0)	0.8 (0.6-1.2)	0.5 (0.4-0.7)
6	85	67	47	30	18	11	6.2	3.6	2.1	1.2	0.7

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

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	17	10	6.0	3.5	2.0	1.2	0.7	0.4	0.3	0.2	0.1
1	24 (18-29)	15 (11-18)	9.0 (6.3-11)	5.3 (3.7-6.4)	3.1 (2.1-3.8)	1.8 (1.2-2.2)	1.1 (0.8-1.3)	0.7 (0.4-0.8)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)
2	34 (24-43)	22 (15-28)	13 (8.8-18)	8.0 (5.2-11)	4.7 (3.0-6.3)	2.8 (1.8-3.7)	1.7 (1.1-2.2)	1.0 (0.6-1.4)	0.6 (0.4-0.8)	0.4 (0.2-0.5)	0.2 (0.1-0.3)
3	47 (34-60)	31 (21-42)	20 (13-28)	12 (7.8-17)	7.1 (4.6-10)	4.2 (2.7-6.1)	2.5 (1.6-3.7)	1.5 (1.0-2.3)	0.9 (0.6-1.4)	0.6 (0.3-0.8)	0.3 (0.2-0.5)
4	60 (50-74)	43 (33-56)	28 (21-39)	17 (13-25)	11 (7.6-15)	6.3 (4.5-9.2)	3.8 (2.7-5.6)	2.3 (1.6-3.4)	1.4 (1.0-2.1)	0.8 (0.6-1.3)	0.5 (0.3-0.8)
5	73 (68-83)	56 (49-68)	39 (33-50)	25 (21-33)	15 (13-21)	9.2 (7.5-13)	5.7 (4.6-7.9)	3.4 (2.8-4.8)	2.1 (1.7-3.0)	1.3 (1.0-1.8)	0.8 (0.6-1.1)
6	84	70	51	35	22	13	8.3	5.1	3.1	1.9	1.1

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	20	12	7.7	4.7	2.9	1.8	1.1	0.7	0.4	0.3	0.2
1	31 (27-37)	20 (17-25)	13 (11-16)	7.9 (6.7-9.9)	4.8 (4.1-6.1)	3.0 (2.5-3.8)	1.9 (1.6-2.4)	1.2 (1.0-1.5)	0.7 (0.6-0.9)	0.5 (0.4-0.6)	0.3 (0.2-0.4)
2	45 (37-56)	31 (25-40)	20 (16-27)	13 (10-17)	8.0 (6.2-11)	5.0 (3.8-6.8)	3.2 (2.4-4.3)	2.0 (1.5-2.7)	1.3 (0.9-1.7)	0.8 (0.6-1.1)	0.5 (0.4-0.7)
3	61 (51-71)	45 (36-55)	31 (24-40)	20 (15-27)	13 (9.4-17)	8.2 (5.8-11)	5.2 (3.7-7.2)	3.3 (2.3-4.6)	2.1 (1.5-2.9)	1.3 (0.9-1.8)	0.8 (0.6-1.1)
4	76 (67-81)	62 (51-69)	46 (36-53)	31 (24-38)	21 (15-25)	13 (9.7-17)	8.6 (6.2-11)	5.5 (3.9-7.0)	3.5 (2.5-4.4)	2.2 (1.6-2.8)	1.4 (1.0-1.8)
5	86 (82-88)	77 (69-80)	62 (54-67)	46 (38-51)	32 (26-36)	21 (17-24)	14 (11-16)	9.0 (7.1-10)	5.8 (4.5-6.7)	3.7 (2.8-4.3)	2.3 (1.8-2.7)
6	91	86	77	62	46	32	22	14	9.4	6.0	3.8

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

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	23	16	10	6.6	4.2	2.8	1.8	1.2	0.8	0.5	0.3
1	39 (31-65)	28 (21-50)	19 (14-37)	13 (9.2-25)	8.2 (5.9-17)	5.5 (3.9-12)	3.7 (2.6-7.7)	2.4 (1.7-5.2)	1.6 (1.1-3.4)	1.1 (0.7-2.3)	0.7 (0.5-1.5)
2	56 (41-79)	43 (29-68)	32 (19-54)	22 (13-40)	15 (8.4-28)	10 (5.5-20)	6.9 (3.7-13)	4.6 (2.4-9.1)	3.0 (1.6-6.1)	2.0 (1.0-4.0)	1.3 (0.7-2.7)
3	71 (54-85)	60 (40-78)	48 (28-67)	36 (19-54)	25 (12-40)	18 (8.3-29)	12 (5.6-21)	8.3 (3.7-14)	5.6 (2.4-9.8)	3.7 (1.6-6.6)	2.5 (1.0-4.4)
4	82 (68-89)	75 (54-85)	64 (41-77)	52 (29-66)	39 (19-53)	29 (13-40)	21 (9.0-30)	14 (6.0-21)	9.8 (4.0-14)	6.6 (2.7-9.8)	4.4 (1.8-6.6)
5	88 (79-91)	84 (69-88)	78 (57-83)	69 (43-75)	57 (31-64)	44 (22-51)	33 (15-39)	24 (10-28)	17 (7.0-20)	11 (4.7-14)	7.6 (3.1-9.3)
6	91	89	87	82	73	62	49	37	27	19	13

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	24	17	12	7.9	5.4	3.8	2.6	1.8	1.3	0.9	0.6
1	39 (30-65)	29 (22-53)	21 (15-40)	15 (10-30)	10 (7.1-21)	7.3 (4.9-15)	5.1 (3.4-11)	3.6 (2.4-7.7)	2.5 (1.6-5.3)	1.7 (1.1-3.7)	1.2 (0.8-2.6)
2	54 (40-76)	44 (29-68)	34 (21-56)	25 (14-44)	18 (9.9-34)	13 (6.9-25)	9.3 (4.8-18)	6.6 (3.4-13)	4.6 (2.3-9.3)	3.2 (1.6-6.5)	2.2 (1.1-4.5)
3	68 (52-83)	59 (40-77)	49 (29-68)	38 (21-57)	29 (15-45)	22 (10-35)	16 (7.3-27)	12 (5.1-20)	8.2 (3.5-14)	5.7 (2.4-10)	4.0 (1.7-7.2)
4	79 (64-86)	72 (53-83)	64 (41-76)	54 (30-68)	43 (22-57)	34 (16-47)	26 (11-37)	19 (8.1-28)	14 (5.7-21)	9.9 (4.0-15)	7.0 (2.7-11)
5	85 (74-88)	81 (66-86)	76 (55-81)	69 (44-75)	59 (34-67)	49 (25-57)	39 (19-47)	30 (14-37)	22 (9.6-28)	16 (6.8-20)	12 (4.8-15)
6	88	87	84	80	73	65	55	44	34	26	19

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

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	20	15	11	7.6	5.5	4.1	3.0	2.2	1.6	1.1	0.8
1	33 (25-58)	25 (19-47)	19 (14-37)	14 (9.8-28)	10 (7.2-22)	7.8 (5.3-16)	5.7 (3.9-12)	4.2 (2.8-9.1)	3.1 (2.1-6.7)	2.2 (1.5-4.9)	1.6 (1.1-3.5)
2	47 (34-70)	39 (25-61)	30 (19-51)	23 (14-41)	18 (10-33)	14 (7.4-26)	10 (5.5-20)	7.7 (4.0-15)	5.7 (2.9-11)	4.2 (2.1-8.3)	3.0 (1.5-6.1)
3	62 (44-78)	53 (35-72)	44 (27-63)	36 (20-53)	29 (15-44)	22 (11-36)	17 (8.2-28)	13 (6.0-22)	9.8 (4.4-17)	7.3 (3.2-12)	5.4 (2.3-9.3)
4	73 (56-83)	67 (46-78)	59 (37-72)	50 (28-63)	42 (22-55)	34 (17-47)	27 (12-38)	21 (9.3-30)	16 (6.9-24)	12 (5.1-18)	9.2 (3.7-14)
5	81 (67-85)	77 (59-82)	72 (50-77)	65 (40-71)	57 (32-64)	49 (25-56)	41 (20-48)	33 (15-39)	26 (11-31)	20 (8.4-25)	15 (6.2-19)
6	85	84	81	77	71	64	56	47	38	31	24

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	14	10	7.9	6.0	4.7	3.6	2.8	2.2	1.6	1.3	1.0
1	23 (18-44)	18 (14-36)	14 (10-29)	11 (7.8-23)	8.7 (6.1-18)	6.8 (4.7-15)	5.3 (3.7-12)	4.2 (2.8-9.0)	3.2 (2.2-7.0)	2.5 (1.7-5.4)	1.9 (1.3-4.2)
2	35 (24-55)	29 (18-48)	23 (14-40)	19 (11-33)	15 (8.5-27)	12 (6.7-22)	9.5 (5.2-18)	7.4 (4.0-14)	5.8 (3.1-11)	4.5 (2.4-8.9)	3.5 (1.8-6.9)
3	48 (31-66)	42 (25-59)	35 (20-51)	29 (15-44)	24 (12-37)	19 (9.7-31)	16 (7.6-26)	13 (5.9-21)	9.9 (4.6-17)	7.8 (3.6-13)	6.1 (2.8-10)
4	61 (41-73)	55 (34-67)	48 (28-61)	41 (22-53)	35 (18-47)	30 (14-40)	25 (11-34)	20 (8.9-28)	16 (6.9-23)	13 (5.4-18)	10 (4.2-15)
5	72 (52-77)	67 (45-73)	61 (38-67)	55 (31-61)	49 (26-55)	42 (21-49)	36 (17-42)	30 (14-36)	25 (11-30)	20 (8.6-25)	16 (6.7-20)
6	79	76	72	67	62	56	50	43	37	31	25