Jordan - 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 Jordan. 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	9.3	4.9	2.5	1.3	0.7	0.3	0.2	0.1	0.1	0.0	0.0
1	15 (9.8-19)	7.7 (5.1-10)	4.0 (2.6-5.3)	2.1 (1.3-2.7)	1.1 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.0)
2	22 (14-32)	12 (7.2-18)	6.4 (3.7-9.7)	3.3 (1.9-5.0)	1.7 (1.0-2.6)	0.9 (0.5-1.3)	0.4 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)
3	33 (20-49)	19 (11-29)	%10.0 (5.6-16	5.2 (2.9-8.6)	2.7 (1.5-4.5)	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)	0.1 (0.0-0.1)
4	46 (32-63)	27 (18-41)	15 (9.5-23)	8.1 (5.0-13)	4.2 (2.6-6.7)	2.2 (1.3-3.5)	1.1 (0.7-1.8)	0.6 (0.4-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
5	61 (51-75)	39 (31-52)	23 (17-32)	12 (9.1-18)	6.5 (4.8-9.4)	3.4 (2.5-4.9)	1.7 (1.3-2.5)	0.9 (0.7-1.3)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.1 (0.1-0.2)
6	77	54	33	18	9.9	5.2	2.7	1.4	0.7	0.4	0.2

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

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	11	5.9	3.2	1.7	0.9	0.5	0.3	0.2	0.1	0.1	0.0
1	16 (11-20)	9.2 (6.2-11)	5.1 (3.4-6.2)	2.7 (1.8-3.4)	1.5 (1.0-1.8)	0.8 (0.5-1.0)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	25 (16-34)	14 (8.7-20)	7.9 (4.8-11)	4.3 (2.6-6.3)	2.3 (1.4-3.4)	1.3 (0.8-1.8)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	35 (23-50)	21 (13-32)	12 (7.2-19)	6.7 (3.9-10)	3.6 (2.1-5.8)	2.0 (1.1-3.2)	1.1 (0.6-1.7)	0.6 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	49 (36-65)	31 (21-44)	18 (12-27)	10 (6.7-16)	5.6 (3.6-8.7)	3.1 (2.0-4.8)	1.7 (1.1-2.6)	0.9 (0.6-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	64 (55-77)	43 (36-56)	26 (21-36)	15 (12-21)	8.5 (6.7-12)	4.7 (3.6-6.7)	2.5 (2.0-3.7)	1.4 (1.1-2.1)	0.8 (0.6-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
6	78	57	37	22	13	7.0	3.8	2.2	1.2	0.7	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	12	6.6	3.7	2.1	1.2	0.7	0.4	0.2	0.1	0.1	0.0
1	17 (12-20)	10 (6.9-12)	5.8 (3.9-6.8)	3.3 (2.2-3.9)	1.8 (1.2-2.2)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.1 (0.0-0.1)
2	25 (17-33)	15 (9.7-20)	8.8 (5.5-12)	5.0 (3.1-6.9)	2.8 (1.8-3.9)	1.6 (1.0-2.2)	0.9 (0.6-1.3)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
3	36 (24-49)	22 (14-32)	13 (8.3-19)	7.6 (4.7-11)	4.3 (2.7-6.6)	2.4 (1.5-3.7)	1.4 (0.8-2.1)	0.8 (0.5-1.2)	0.5 (0.3-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
4	48 (37-63)	32 (23-44)	19 (14-28)	11 (7.9-17)	6.5 (4.5-9.8)	3.7 (2.5-5.6)	2.1 (1.4-3.2)	1.2 (0.8-1.9)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
5	62 (57-75)	43 (38-56)	28 (24-37)	17 (14-23)	9.7 (8.0-14)	5.6 (4.6-7.9)	3.2 (2.6-4.6)	1.9 (1.5-2.7)	1.1 (0.9-1.6)	0.6 (0.5-0.9)	0.4 (0.3-0.5)
6	76	57	39	24	14	8.3	4.8	2.8	1.6	0.9	0.6

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

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	12	7.2	4.2	2.5	1.4	0.8	0.5	0.3	0.2	0.1	0.1
1	18 (13-21)	11 (7.5-13)	6.4 (4.5-7.6)	3.8 (2.6-4.5)	2.2 (1.5-2.6)	1.3 (0.9-1.5)	0.8 (0.5-0.9)	0.5 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)	0.1 (0.1-0.1)
2	25 (17-32)	16 (11-20)	9.6 (6.3-12)	5.7 (3.7-7.4)	3.3 (2.2-4.4)	2.0 (1.3-2.6)	1.2 (0.8-1.6)	0.7 (0.5-0.9)	0.4 (0.3-0.6)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
3	35 (25-46)	23 (16-31)	14 (9.4-20)	8.5 (5.6-12)	5.0 (3.3-7.2)	2.9 (1.9-4.3)	1.8 (1.2-2.6)	1.1 (0.7-1.6)	0.6 (0.4-1.0)	0.4 (0.3-0.6)	0.2 (0.2-0.4)
4	47 (38-60)	32 (25-43)	20 (15-28)	12 (9.2-18)	7.4 (5.4-11)	4.4 (3.2-6.5)	2.7 (1.9-3.9)	1.6 (1.2-2.4)	1.0 (0.7-1.5)	0.6 (0.4-0.9)	0.4 (0.3-0.5)
5	60 (54-71)	43 (38-54)	28 (24-37)	18 (15-24)	11 (9.0-15)	6.5 (5.3-9.0)	4.0 (3.2-5.6)	2.4 (2.0-3.4)	1.5 (1.2-2.1)	0.9 (0.7-1.2)	0.5 (0.4-0.8)
6	72	56	39	25	16	9.5	5.8	3.6	2.2	1.3	0.8

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	12	7.2	4.4	2.7	1.6	1.0	0.6	0.4	0.3	0.2	0.1
1	19 (16-23)	12 (10-15)	7.3 (6.2-9.3)	4.5 (3.8-5.7)	2.8 (2.3-3.5)	1.7 (1.4-2.2)	1.1 (0.9-1.4)	0.7 (0.6-0.9)	0.4 (0.4-0.5)	0.3 (0.2-0.3)	0.2 (0.1-0.2)
2	29 (23-37)	19 (15-25)	12 (9.4-16)	7.4 (5.8-10)	4.6 (3.5-6.2)	2.8 (2.2-3.9)	1.8 (1.4-2.5)	1.1 (0.9-1.6)	0.7 (0.5-1.0)	0.4 (0.3-0.6)	0.3 (0.2-0.4)
3	42 (33-50)	29 (22-36)	19 (14-24)	12 (8.8-16)	7.5 (5.4-%10.0	4.7 (3.4-6.3)	3.0 (2.1-4.0)	1.9 (1.3-2.6)	1.2 (0.8-1.6)	0.8 (0.5-1.0)	0.5 (0.3-0.7)
4	57 (47-64)	42 (33-49)	29 (22-35)	19 (14-23)	12 (8.8-15)	7.7 (5.6-9.6)	4.9 (3.5-6.2)	3.1 (2.2-3.9)	2.0 (1.4-2.5)	1.3 (0.9-1.6)	0.8 (0.6-1.0)
5	72 (64-75)	57 (49-62)	42 (35-47)	29 (23-33)	19 (15-22)	12 (9.7-14)	8.0 (6.2-9.2)	5.1 (4.0-5.9)	3.3 (2.5-3.8)	2.1 (1.6-2.4)	1.3 (1.0-1.5)
6	82	72	58	42	29	19	13	8.3	5.4	3.4	2.2

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

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	11	7.0	4.5	2.9	1.8	1.2	0.8	0.5	0.3	0.2	0.2
1	20 (15-38)	13 (9.8-27)	8.8 (6.4-18)	5.7 (4.1-12)	3.7 (2.6-7.8)	2.4 (1.7-5.1)	1.6 (1.1-3.4)	1.1 (0.7-2.3)	0.7 (0.5-1.5)	0.5 (0.3-1.0)	0.3 (0.2-0.6)
2	33 (21-55)	23 (14-41)	16 (8.9-29)	10 (5.8-20)	6.8 (3.7-13)	4.6 (2.4-9.0)	3.0 (1.6-6.0)	2.0 (1.1-4.0)	1.3 (0.7-2.7)	0.9 (0.5-1.8)	0.6 (0.3-1.2)
3	49 (29-67)	37 (20-54)	26 (13-41)	18 (8.6-29)	12 (5.6-20)	8.2 (3.7-14)	5.5 (2.4-9.5)	3.7 (1.6-6.4)	2.4 (1.1-4.3)	1.6 (0.7-2.9)	1.1 (0.5-1.9)
4	65 (42-76)	53 (30-66)	41 (20-53)	29 (14-40)	20 (8.9-29)	14 (6.0-20)	9.6 (4.0-14)	6.5 (2.6-9.6)	4.3 (1.7-6.5)	2.9 (1.2-4.3)	1.9 (0.8-2.9)
5	77 (57-82)	69 (44-74)	57 (32-64)	44 (22-51)	32 (15-38)	23 (10-27)	16 (6.9-19)	11 (4.6-13)	7.5 (3.1-9.1)	5.0 (2.0-6.1)	3.4 (1.3-4.1)
6	85	81	73	61	48	36	26	18	13	8.6	5.8

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	10	7.1	4.7	3.2	2.1	1.5	1.0	0.7	0.5	0.3	0.2
1	19 (13-37)	13 (9.2-27)	9.1 (6.2-19)	6.2 (4.2-13)	4.2 (2.8-9.0)	2.9 (1.9-6.3)	2.0 (1.3-4.4)	1.4 (0.9-3.0)	1.0 (0.6-2.1)	0.7 (0.4-1.4)	0.5 (0.3-1.0)
2	31 (18-53)	23 (13-41)	16 (8.7-30)	11 (5.8-21)	7.7 (4.0-15)	5.4 (2.7-11)	3.8 (1.9-7.6)	2.6 (1.3-5.3)	1.8 (0.9-3.7)	1.3 (0.6-2.6)	0.9 (0.4-1.8)
3	46 (27-65)	35 (19-53)	26 (13-41)	19 (8.8-31)	13 (6.0-23)	9.5 (4.2-16)	6.7 (2.9-12)	4.7 (2.0-8.4)	3.3 (1.4-5.9)	2.3 (0.9-4.1)	1.6 (0.7-2.9)
4	61 (38-74)	50 (28-64)	40 (20-53)	30 (14-42)	22 (9.5-32)	16 (6.7-24)	11 (4.6-17)	8.1 (3.2-12)	5.7 (2.2-8.8)	4.0 (1.6-6.2)	2.8 (1.1-4.3)
5	74 (52-79)	65 (41-72)	55 (30-63)	44 (22-52)	34 (16-41)	26 (11-31)	19 (7.9-23)	14 (5.6-17)	9.6 (3.9-12)	6.8 (2.7-8.7)	4.7 (1.9-6.1)
6	82	78	70	60	49	39	29	22	16	11	7.9

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

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	11	7.5	5.3	3.7	2.7	1.9	1.4	1.0	0.7	0.5	0.4
1	19 (14-37)	14 (9.7-28)	10 (6.9-21)	7.1 (4.9-15)	5.2 (3.5-11)	3.8 (2.6-8.2)	2.8 (1.9-6.0)	2.0 (1.3-4.4)	1.5 (1.0-3.2)	1.1 (0.7-2.3)	0.8 (0.5-1.7)
2	31 (19-52)	23 (14-42)	17 (9.6-32)	13 (6.8-24)	9.4 (5.0-18)	7.0 (3.6-14)	5.1 (2.6-10)	3.8 (1.9-7.6)	2.7 (1.4-5.5)	2.0 (1.0-4.0)	1.4 (0.7-2.9)
3	45 (27-64)	36 (20-54)	28 (14-44)	21 (10-34)	16 (7.5-26)	12 (5.5-20)	9.0 (4.0-15)	6.7 (2.9-12)	4.9 (2.1-8.6)	3.6 (1.5-6.4)	2.6 (1.1-4.7)
4	59 (37-72)	51 (28-64)	42 (21-55)	33 (16-45)	26 (12-36)	20 (8.6-29)	15 (6.3-22)	11 (4.6-17)	8.4 (3.4-13)	6.2 (2.4-9.5)	4.5 (1.8-7.0)
5	72 (50-77)	65 (41-71)	56 (32-64)	47 (24-55)	39 (19-46)	31 (14-37)	24 (11-30)	19 (7.8-23)	14 (5.7-18)	10 (4.2-13)	7.7 (3.1-9.8)
6	81	76	70	62	54	45	37	29	22	17	13

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	7.7	5.8	4.4	3.4	2.6	2.0	1.5	1.2	0.9
1	23 (17-44)	18 (13-36)	14 (9.9-28)	11 (7.5-22)	8.4 (5.8-18)	6.5 (4.5-14)	5.0 (3.4-11)	3.9 (2.6-8.4)	3.0 (2.0-6.4)	2.3 (1.5-4.9)	1.7 (1.2-3.8)
2	36 (23-56)	29 (18-49)	23 (14-41)	18 (10-33)	15 (8.1-27)	12 (6.3-22)	9.1 (4.8-18)	7.1 (3.7-14)	5.5 (2.8-11)	4.2 (2.1-8.4)	3.2 (1.6-6.5)
3	49 (32-66)	42 (25-60)	35 (20-52)	29 (15-44)	24 (12-37)	19 (9.4-31)	15 (7.2-25)	12 (5.6-20)	9.5 (4.3-16)	7.4 (3.3-13)	5.7 (2.5-9.9)
4	61 (42-73)	55 (35-68)	49 (28-61)	42 (22-54)	36 (18-47)	30 (14-41)	24 (11-34)	20 (8.6-28)	16 (6.7-23)	12 (5.1-18)	9.7 (3.9-15)
5	71 (53-77)	67 (46-73)	61 (39-68)	55 (32-62)	49 (27-56)	43 (22-50)	37 (17-43)	30 (14-37)	25 (11-30)	20 (8.5-25)	16 (6.6-20)
6	79	76	72	67	63	57	51	44	37	31	25