

Jordan - 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 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	13	7.9	5.3	3.8	3.0	2.4	2.0	1.8	1.7	1.7	1.6
1	19 (17-24)	12 (11-15)	8.2 (6.9-10)	5.9 (4.6-7.4)	4.5 (3.3-5.6)	3.6 (2.6-4.7)	3.1 (2.1-4.1)	2.8 (1.8-3.8)	2.6 (1.7-3.6)	2.5 (1.6-3.5)	2.4 (1.5-3.4)
2	28 (22-39)	18 (15-26)	12 (9.4-17)	8.8 (6.2-13)	6.7 (4.3-10)	5.4 (3.2-8.8)	4.6 (2.5-7.6)	4.1 (2.2-7.0)	3.9 (2.0-6.7)	3.7 (1.9-6.5)	3.6 (1.8-6.2)
3	40 (29-54)	27 (19-35)	18 (13-26)	13 (8.3-20)	9.9 (5.7-17)	8.0 (4.2-14)	6.7 (3.3-12)	6.0 (2.9-11)	5.7 (2.6-11)	5.4 (2.5-10)	5.2 (2.3-10.0)
4	54 (39-67)	38 (26-47)	26 (17-33)	19 (12-26)	14 (9.4-21)	11 (7.1-18)	9.6 (5.5-16)	8.6 (4.7-14)	8.1 (4.3-14)	7.7 (4.0-13)	7.4 (3.8-13)
5	69 (59-79)	51 (41-58)	36 (28-41)	26 (20-31)	20 (15-25)	16 (12-21)	13 (10-18)	12 (8.8-17)	11 (8.0-16)	11 (7.4-15)	10 (7.0-15)
6	83	66	49	36	28	22	19	17	16	15	14

Ten year probability of osteoporotic 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	15	10	7.2	5.4	4.2	3.4	2.8	2.6	2.4	2.3	2.2
1	23 (21-27)	15 (14-19)	11 (9.2-13)	8.1 (6.4-9.8)	6.3 (4.7-7.8)	5.1 (3.6-6.6)	4.2 (2.9-5.7)	3.9 (2.6-5.3)	3.6 (2.4-5.0)	3.4 (2.2-4.8)	3.2 (2.1-4.5)
2	33 (27-43)	23 (18-30)	16 (12-22)	12 (8.4-17)	9.2 (6.0-14)	7.5 (4.5-12)	6.2 (3.6-10)	5.7 (3.1-9.5)	5.3 (2.8-9.0)	5.0 (2.6-8.5)	4.7 (2.5-8.1)
3	45 (35-57)	32 (24-41)	23 (17-32)	17 (11-26)	13 (8.0-22)	11 (6.0-19)	9.0 (4.7-16)	8.2 (4.1-15)	7.6 (3.7-14)	7.2 (3.4-13)	6.8 (3.2-13)
4	60 (45-70)	44 (32-52)	32 (23-41)	24 (17-33)	19 (13-28)	15 (9.9-23)	13 (7.7-20)	12 (6.6-19)	11 (6.0-18)	10 (5.5-17)	9.6 (5.1-16)
5	73 (65-81)	58 (49-63)	44 (36-49)	33 (27-40)	26 (21-33)	21 (17-28)	18 (14-24)	16 (12-22)	15 (11-21)	14 (9.8-20)	13 (9.1-19)
6	85	71	57	44	35	29	24	22	20	19	18

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	17	12	8.6	6.5	5.0	4.0	3.4	3.1	2.9	2.7	2.5
1	25 (23-29)	18 (16-20)	13 (11-15)	9.6 (7.6-11)	7.5 (5.6-9.3)	6.0 (4.3-7.8)	5.1 (3.5-6.8)	4.6 (3.1-6.3)	4.2 (2.8-5.9)	3.9 (2.6-5.5)	3.7 (2.4-5.2)
2	35 (30-45)	25 (21-33)	18 (14-24)	14 (10-19)	11 (7.2-16)	8.7 (5.4-13)	7.4 (4.4-12)	6.7 (3.8-11)	6.2 (3.4-10)	5.7 (3.1-9.5)	5.3 (2.8-9.0)
3	48 (38-57)	35 (28-45)	26 (19-36)	20 (13-30)	15 (9.6-25)	12 (7.1-21)	11 (5.7-18)	9.6 (4.9-17)	8.8 (4.4-16)	8.2 (4.0-15)	7.6 (3.6-14)
4	61 (49-69)	47 (36-55)	36 (26-45)	27 (20-37)	22 (15-31)	17 (12-26)	15 (9.3-23)	13 (8.0-22)	12 (7.0-20)	11 (6.4-19)	11 (5.8-18)
5	74 (68-79)	60 (53-64)	47 (40-53)	37 (31-44)	29 (24-37)	24 (20-31)	20 (16-27)	18 (14-25)	17 (12-23)	16 (11-22)	15 (10-21)
6	84	73	60	48	39	32	27	25	23	21	20

Ten year probability of osteoporotic 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	19	13	9.8	7.3	5.7	4.5	3.9	3.5	3.2	2.9	2.6
1	27 (25-30)	19 (17-22)	14 (12-16)	11 (8.6-13)	8.3 (6.4-10)	6.6 (4.8-8.6)	5.8 (4.0-7.7)	5.1 (3.5-7.0)	4.6 (3.1-6.4)	4.2 (2.8-6.0)	3.9 (2.5-5.5)
2	37 (32-45)	27 (23-34)	20 (16-25)	15 (11-21)	12 (8.2-17)	9.6 (6.1-14)	8.3 (5.0-13)	7.4 (4.3-12)	6.7 (3.7-11)	6.1 (3.3-10.0)	5.6 (3.0-9.2)
3	49 (40-57)	37 (30-46)	28 (21-38)	22 (15-31)	17 (11-26)	14 (8.1-22)	12 (6.6-20)	10 (5.6-18)	9.4 (4.9-17)	8.6 (4.3-16)	7.9 (3.9-14)
4	61 (51-67)	48 (38-56)	38 (29-47)	29 (22-39)	23 (17-33)	19 (13-28)	16 (11-25)	14 (9.0-23)	13 (7.8-21)	12 (6.9-20)	11 (6.2-18)
5	73 (68-77)	60 (55-65)	49 (43-55)	39 (34-46)	31 (27-38)	25 (21-32)	22 (17-29)	20 (15-27)	18 (13-25)	16 (11-23)	15 (10-21)
6	82	72	60	50	40	33	29	26	24	22	20

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	19	14	10	7.8	6.1	4.9	4.2	3.7	3.3	3.0	2.7
1	27 (24-33)	20 (17-24)	15 (12-18)	11 (9.0-13)	8.6 (6.7-10)	6.9 (5.2-8.1)	5.9 (4.4-6.9)	5.2 (3.7-6.1)	4.6 (3.2-5.4)	4.1 (2.9-4.9)	3.7 (2.6-4.4)
2	39 (32-48)	29 (23-37)	21 (17-28)	16 (12-21)	12 (8.7-16)	9.8 (6.7-13)	8.3 (5.5-11)	7.1 (4.6-9.6)	6.3 (3.9-8.5)	5.6 (3.5-7.7)	5.0 (3.1-6.9)
3	52 (42-63)	40 (30-51)	30 (22-40)	23 (16-31)	17 (12-25)	14 (8.9-20)	11 (7.2-17)	9.8 (6.0-15)	8.5 (5.2-13)	7.6 (4.5-12)	6.8 (4.0-11)
4	66 (56-73)	53 (43-61)	41 (32-49)	32 (24-39)	24 (18-31)	19 (14-26)	16 (11-22)	13 (9.5-19)	12 (8.1-17)	10 (7.1-15)	9.0 (6.3-14)
5	77 (71-81)	66 (59-71)	54 (47-60)	43 (36-48)	33 (28-39)	26 (22-31)	21 (18-27)	18 (15-23)	15 (13-20)	14 (11-18)	12 (9.9-16)
6	85	78	67	55	44	35	29	24	21	18	16

Ten year probability of osteoporotic 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	19	14	11	8.2	6.3	5.3	4.5	3.9	3.4	3.0	2.7
1	29 (23-44)	22 (17-33)	16 (13-24)	12 (9.3-17)	9.3 (7.0-13)	7.5 (5.6-9.6)	6.3 (4.7-7.5)	5.3 (3.9-6.2)	4.6 (3.4-5.4)	4.0 (2.9-4.8)	3.5 (2.6-4.3)
2	42 (30-60)	32 (23-48)	24 (17-37)	18 (12-27)	14 (9.1-20)	11 (7.2-15)	8.9 (5.9-12)	7.4 (4.9-9.7)	6.2 (4.1-8.4)	5.4 (3.6-7.5)	4.7 (3.1-6.7)
3	56 (40-71)	45 (30-60)	35 (22-48)	27 (16-37)	20 (12-28)	16 (9.6-22)	13 (7.8-18)	10 (6.4-15)	8.5 (5.4-12)	7.2 (4.6-10)	6.2 (4.0-8.7)
4	70 (51-79)	60 (40-70)	49 (31-59)	38 (23-47)	29 (18-36)	23 (14-29)	18 (12-23)	14 (9.8-19)	12 (8.4-16)	9.7 (7.2-13)	8.2 (6.2-11)
5	80 (65-84)	73 (54-78)	63 (44-69)	52 (35-57)	41 (27-46)	32 (22-37)	25 (18-30)	20 (15-24)	16 (13-20)	13 (11-16)	11 (9.4-14)
6	86	82	76	66	55	45	36	28	23	18	15

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	19	14	11	8.4	6.6	5.5	4.7	4.0	3.4	3.0	2.6
1	28 (23-43)	22 (17-33)	16 (13-25)	13 (9.6-18)	9.7 (7.4-14)	8.0 (6.0-11)	6.6 (4.9-8.4)	5.5 (4.1-6.7)	4.7 (3.4-5.4)	4.0 (2.9-4.6)	3.4 (2.5-4.0)
2	40 (30-58)	32 (22-47)	24 (17-37)	19 (13-28)	14 (9.7-22)	12 (7.8-17)	9.4 (6.3-13)	7.7 (5.2-11)	6.4 (4.3-8.7)	5.4 (3.6-7.1)	4.6 (3.1-6.1)
3	54 (38-69)	44 (30-59)	35 (22-48)	27 (17-37)	21 (13-29)	17 (10-23)	13 (8.4-19)	11 (6.8-15)	8.9 (5.7-12)	7.4 (4.7-10)	6.2 (4.0-8.6)
4	66 (48-77)	57 (38-68)	48 (30-58)	38 (23-47)	30 (18-37)	24 (15-30)	19 (12-24)	15 (9.9-20)	12 (8.3-16)	10 (7.0-13)	8.4 (6.0-11)
5	77 (61-82)	70 (51-76)	61 (42-67)	51 (34-57)	42 (27-47)	34 (22-38)	27 (18-31)	22 (15-25)	17 (13-21)	14 (11-17)	11 (9.3-14)
6	83	79	73	65	55	46	38	30	24	20	16

Ten year probability of osteoporotic 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	19	15	11	8.8	7.1	5.9	4.9	4.1	3.5	3.0	2.5
1	28 (23-43)	22 (17-34)	17 (13-26)	13 (10-20)	11 (8.1-16)	8.7 (6.6-12)	7.1 (5.4-9.8)	5.9 (4.4-7.8)	4.9 (3.6-6.2)	4.1 (3.0-5.0)	3.4 (2.5-4.1)
2	40 (29-57)	32 (23-48)	25 (18-39)	20 (14-30)	16 (11-24)	13 (8.7-20)	10 (7.0-16)	8.5 (5.7-13)	7.0 (4.7-10)	5.8 (3.8-8.1)	4.8 (3.2-6.6)
3	53 (38-68)	44 (30-59)	36 (23-49)	29 (18-40)	23 (14-32)	19 (12-26)	15 (9.4-21)	12 (7.6-17)	10 (6.2-14)	8.2 (5.1-11)	6.7 (4.2-9.4)
4	65 (47-75)	57 (38-68)	49 (31-59)	40 (24-50)	33 (20-41)	27 (16-34)	22 (13-28)	18 (11-23)	14 (8.9-18)	12 (7.4-15)	9.5 (6.2-12)
5	75 (59-80)	69 (51-75)	62 (43-68)	53 (35-59)	45 (29-51)	38 (24-43)	31 (20-36)	26 (17-29)	21 (14-24)	17 (11-20)	13 (9.6-16)
6	82	78	73	66	59	51	43	36	29	24	19

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	25	20	16	13	11	9.1	7.6	6.4	5.4	4.5	3.8
1	35 (28-51)	29 (23-43)	23 (18-35)	19 (15-29)	16 (12-24)	13 (10-19)	11 (8.3-16)	9.3 (6.9-13)	7.7 (5.7-11)	6.4 (4.8-8.6)	5.4 (4.0-7.0)
2	46 (35-61)	39 (29-55)	33 (24-47)	27 (19-40)	23 (16-34)	19 (13-29)	16 (11-24)	13 (9.0-20)	11 (7.5-17)	9.2 (6.2-14)	7.7 (5.1-11)
3	57 (44-69)	51 (37-64)	44 (31-57)	37 (25-50)	32 (21-44)	27 (17-38)	23 (15-32)	19 (12-27)	16 (9.9-22)	13 (8.2-19)	11 (6.8-15)
4	67 (53-75)	61 (46-71)	55 (39-65)	49 (32-59)	43 (28-53)	38 (24-47)	32 (20-40)	27 (17-34)	23 (14-29)	19 (12-24)	16 (9.7-20)
5	74 (61-79)	70 (55-76)	65 (49-72)	60 (43-67)	55 (38-62)	49 (33-56)	43 (28-49)	38 (24-43)	32 (20-37)	27 (17-31)	23 (15-26)
6	80	77	74	70	66	61	56	50	43	37	32