

Uzbekistan - 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 Uzbekistan. 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	33	22	15	11	8.7	7.1	6.1	5.5	5.2	5.0	4.8
1	46 (41-56)	32 (28-39)	22 (19-28)	17 (13-21)	13 (9.7-16)	11 (7.5-14)	9.0 (6.2-12)	8.2 (5.4-11)	7.8 (5.1-11)	7.4 (4.8-10)	7.1 (4.6-9.9)
2	62 (52-76)	45 (37-58)	32 (25-43)	24 (17-33)	19 (12-28)	16 (9.3-24)	13 (7.5-21)	12 (6.5-20)	11 (6.0-19)	11 (5.7-18)	10 (5.4-18)
3	76 (63-87)	59 (47-71)	45 (33-59)	34 (23-49)	27 (16-42)	22 (12-37)	19 (9.7-33)	17 (8.4-30)	16 (7.8-29)	15 (7.3-28)	15 (7.0-27)
4	87 (76-93)	74 (58-83)	58 (43-69)	46 (33-59)	37 (26-51)	30 (20-45)	26 (16-40)	24 (14-38)	22 (12-36)	21 (12-35)	21 (11-34)
5	94 (90-95)	86 (78-90)	73 (62-78)	59 (49-67)	49 (39-58)	41 (33-51)	35 (28-46)	32 (24-43)	30 (22-41)	29 (21-40)	28 (20-39)
6	96	93	85	73	62	53	46	42	40	39	37

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Uzbekistan.

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	36	25	18	14	11	8.8	7.4	6.8	6.3	6.0	5.7
1	50 (46-57)	36 (33-42)	26 (23-31)	20 (16-24)	16 (12-19)	13 (9.3-17)	11 (7.6-14)	10 (6.7-14)	9.3 (6.2-13)	8.8 (5.8-12)	8.4 (5.4-12)
2	64 (56-77)	49 (42-61)	37 (30-48)	29 (21-38)	23 (15-33)	19 (12-28)	16 (9.2-25)	14 (8.1-23)	13 (7.4-22)	13 (6.8-21)	12 (6.4-20)
3	78 (67-86)	63 (52-74)	50 (38-64)	39 (27-55)	32 (20-48)	26 (15-42)	22 (12-37)	20 (10-35)	19 (9.5-33)	18 (8.8-32)	17 (8.2-31)
4	88 (78-92)	77 (63-83)	63 (49-74)	52 (39-65)	42 (31-57)	35 (24-51)	30 (19-45)	28 (17-43)	26 (15-41)	25 (14-39)	23 (13-38)
5	93 (90-94)	87 (81-90)	76 (68-82)	65 (56-73)	55 (46-64)	46 (38-57)	40 (32-51)	37 (28-48)	35 (26-46)	33 (24-44)	31 (22-43)
6	95	93	86	77	67	59	51	48	45	43	41

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	40	29	21	16	13	11	9.0	8.2	7.5	7.0	6.5
1	53 (50-59)	40 (37-46)	31 (26-35)	24 (19-27)	19 (14-23)	15 (11-20)	13 (9.2-17)	12 (8.1-16)	11 (7.3-15)	10 (6.8-14)	9.5 (6.3-13)
2	67 (60-77)	53 (46-64)	42 (34-51)	33 (25-43)	26 (18-37)	22 (14-32)	19 (11-28)	17 (9.8-27)	16 (8.8-25)	15 (8.0-24)	14 (7.4-22)
3	79 (71-86)	67 (57-77)	54 (43-68)	44 (32-60)	36 (24-52)	30 (18-46)	26 (15-42)	23 (13-39)	22 (11-37)	20 (10-35)	19 (9.5-33)
4	87 (80-91)	79 (68-85)	67 (55-77)	56 (44-69)	47 (36-62)	39 (28-55)	34 (23-50)	32 (20-47)	29 (18-45)	27 (16-43)	26 (15-41)
5	92 (90-93)	87 (83-90)	79 (72-84)	69 (61-77)	59 (52-69)	51 (44-62)	45 (37-57)	41 (32-53)	38 (29-51)	36 (27-48)	34 (25-46)
6	93	92	87	80	71	63	56	52	49	47	44

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Uzbekistan.

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	41	30	23	18	14	11	9.9	8.9	8.1	7.4	6.8
1	53 (50-58)	42 (37-46)	32 (28-36)	25 (20-29)	20 (15-25)	16 (12-21)	14 (10-19)	13 (8.8-17)	12 (7.9-16)	11 (7.1-15)	9.8 (6.5-14)
2	66 (60-75)	54 (47-63)	43 (35-52)	34 (26-44)	28 (20-38)	23 (15-33)	20 (12-30)	18 (11-28)	16 (9.4-26)	15 (8.4-24)	14 (7.7-22)
3	77 (70-84)	66 (58-77)	55 (45-68)	45 (34-61)	37 (25-53)	31 (19-47)	27 (16-43)	25 (14-40)	22 (12-38)	21 (11-35)	19 (9.9-33)
4	85 (79-89)	77 (68-84)	67 (57-77)	57 (46-70)	48 (38-62)	40 (30-56)	36 (25-52)	33 (21-48)	30 (19-46)	28 (17-43)	26 (15-41)
5	89 (88-91)	85 (81-88)	77 (73-83)	69 (63-77)	59 (53-69)	51 (45-62)	46 (38-58)	42 (33-54)	39 (30-51)	36 (27-48)	34 (25-46)
6	91	89	85	78	71	63	57	53	50	46	44

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	39	30	23	18	14	12	10	9.0	8.0	7.3	6.6
1	52 (47-59)	41 (36-48)	32 (27-37)	25 (20-29)	20 (16-23)	16 (12-19)	14 (10-16)	12 (8.9-14)	11 (7.8-13)	9.9 (7.0-12)	8.9 (6.2-11)
2	65 (57-74)	54 (45-64)	43 (35-53)	34 (26-43)	27 (20-34)	22 (15-29)	19 (13-25)	17 (11-22)	15 (9.5-20)	13 (8.3-18)	12 (7.4-16)
3	76 (68-84)	66 (56-77)	55 (44-68)	45 (34-58)	36 (26-49)	30 (20-41)	25 (17-37)	22 (14-33)	20 (12-29)	18 (11-27)	16 (9.6-24)
4	84 (79-88)	77 (70-83)	68 (58-76)	57 (47-67)	47 (37-58)	39 (30-50)	33 (25-45)	29 (21-40)	26 (19-36)	23 (16-33)	21 (15-30)
5	88 (85-90)	84 (80-87)	78 (72-83)	69 (62-75)	59 (52-66)	50 (43-58)	43 (37-52)	38 (32-47)	33 (28-42)	30 (25-38)	27 (22-35)
6	90	88	85	79	70	61	54	47	42	38	34

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Uzbekistan.

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	37	29	23	18	14	12	10	8.8	7.8	6.9	6.1
1	50 (42-68)	41 (33-57)	32 (26-45)	25 (20-35)	20 (15-26)	16 (12-21)	14 (10-17)	12 (8.7-14)	10 (7.5-12)	9.0 (6.6-11)	8.0 (5.8-9.6)
2	63 (52-78)	54 (42-70)	44 (33-60)	35 (25-49)	28 (19-39)	23 (16-31)	19 (13-25)	16 (11-21)	14 (9.2-18)	12 (7.9-16)	10 (7.0-15)
3	74 (62-84)	66 (51-78)	57 (41-71)	47 (32-61)	38 (25-50)	31 (20-42)	26 (17-35)	22 (14-30)	18 (12-25)	16 (10-22)	14 (9.0-19)
4	82 (72-87)	76 (63-84)	69 (53-78)	60 (43-70)	50 (35-60)	42 (29-52)	35 (24-44)	29 (21-37)	24 (18-32)	21 (15-27)	18 (14-24)
5	86 (79-89)	83 (73-87)	78 (65-83)	72 (56-78)	63 (47-70)	54 (40-61)	46 (35-53)	38 (30-45)	32 (26-39)	27 (23-33)	23 (20-29)
6	88	87	85	80	74	67	58	50	42	35	30

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	32	26	20	16	13	11	9.2	7.9	6.8	6.0	5.2
1	44 (36-61)	36 (28-51)	29 (22-42)	23 (17-33)	18 (14-26)	15 (11-21)	13 (9.3-16)	11 (7.8-13)	9.2 (6.6-11)	7.9 (5.7-9.0)	6.9 (4.9-7.9)
2	55 (44-70)	47 (36-63)	39 (28-54)	31 (22-45)	25 (18-36)	21 (14-30)	17 (12-24)	15 (9.8-20)	12 (8.3-16)	11 (7.0-14)	9.0 (6.0-12)
3	66 (53-77)	58 (45-71)	50 (36-63)	42 (29-55)	35 (23-46)	29 (19-38)	24 (15-32)	20 (13-27)	17 (11-23)	14 (9.1-19)	12 (7.8-16)
4	74 (62-81)	69 (54-77)	61 (45-71)	53 (37-63)	45 (30-55)	38 (25-47)	32 (21-40)	27 (18-34)	22 (15-29)	19 (13-25)	16 (11-21)
5	80 (70-84)	76 (63-81)	71 (56-77)	64 (48-71)	57 (40-64)	49 (35-56)	42 (30-49)	36 (26-42)	30 (22-36)	25 (19-30)	21 (17-26)
6	84	82	79	74	67	61	53	46	39	33	27

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in women from Uzbekistan.

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	26	21	17	13	11	9.4	8.0	6.8	5.9	5.1	4.4
1	35 (28-51)	29 (22-43)	24 (18-35)	19 (14-28)	16 (11-23)	13 (9.5-19)	11 (7.9-15)	9.4 (6.6-13)	8.0 (5.6-10)	6.8 (4.8-8.5)	5.9 (4.1-7.1)
2	46 (35-61)	39 (28-53)	32 (23-46)	26 (18-38)	22 (15-32)	18 (12-27)	15 (10-22)	13 (8.5-18)	11 (7.2-15)	9.3 (6.0-13)	7.9 (5.1-10)
3	56 (43-69)	49 (36-63)	42 (29-55)	35 (24-47)	30 (20-40)	25 (16-34)	21 (13-29)	18 (11-24)	15 (9.4-21)	13 (7.9-17)	11 (6.7-15)
4	66 (52-75)	60 (44-70)	53 (37-63)	46 (31-56)	40 (26-49)	34 (22-43)	29 (19-37)	24 (16-31)	20 (13-26)	17 (11-22)	14 (9.5-19)
5	74 (60-79)	69 (53-75)	63 (46-70)	57 (39-63)	50 (34-57)	44 (29-51)	38 (25-45)	33 (21-39)	28 (18-33)	23 (16-28)	19 (14-24)
6	79	76	72	67	61	55	49	42	36	31	26

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	20	16	13	11	9.2	7.9	6.8	5.9	5.0	4.4	3.8
1	27 (20-40)	22 (16-33)	18 (13-28)	15 (11-23)	13 (9.1-19)	11 (7.7-16)	9.5 (6.5-14)	8.1 (5.5-11)	6.9 (4.7-9.5)	5.9 (4.0-7.9)	5.1 (3.4-6.6)
2	36 (26-49)	30 (21-42)	25 (17-36)	21 (14-30)	18 (12-26)	15 (10-22)	13 (8.5-19)	11 (7.2-16)	9.5 (6.1-13)	8.1 (5.2-11)	6.9 (4.4-9.5)
3	45 (32-57)	39 (27-51)	34 (22-45)	29 (18-39)	25 (16-34)	21 (13-29)	18 (11-25)	16 (9.6-21)	13 (8.1-18)	11 (6.9-15)	9.5 (5.8-13)
4	55 (40-65)	49 (34-59)	43 (29-53)	38 (24-47)	33 (21-42)	29 (18-36)	25 (15-32)	21 (13-27)	18 (11-24)	15 (9.5-20)	13 (8.1-17)
5	64 (48-70)	59 (42-66)	53 (36-60)	48 (31-55)	43 (27-49)	38 (24-44)	33 (21-39)	29 (18-34)	25 (15-30)	21 (13-26)	18 (11-22)
6	71	68	63	58	53	48	43	38	33	28	24