

Uzbekistan - The probabilities of a major osteoporotic fracture in men

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	37	25	16	12	8.6	6.8	5.6	4.8	4.3	4.1	3.9
1	51 (44-61)	35 (32-44)	24 (22-30)	17 (14-22)	13 (10-16)	10 (7.4-13)	8.4 (5.8-11)	7.1 (4.8-9.5)	6.4 (4.2-8.8)	6.1 (3.9-8.4)	5.8 (3.7-8.1)
2	65 (55-78)	48 (40-62)	35 (28-46)	25 (19-34)	19 (13-26)	15 (9.5-22)	12 (7.2-19)	10 (5.8-17)	9.3 (5.0-16)	8.8 (4.7-15)	8.5 (4.4-15)
3	77 (66-86)	62 (50-73)	47 (36-58)	35 (25-47)	26 (17-39)	21 (12-34)	17 (9.5-29)	15 (7.6-26)	13 (6.5-24)	13 (6.0-23)	12 (5.7-22)
4	85 (77-90)	74 (61-82)	60 (46-68)	46 (34-57)	36 (25-48)	29 (20-41)	24 (15-36)	21 (12-32)	18 (10-30)	18 (9.5-29)	17 (8.9-28)
5	90 (87-91)	84 (77-87)	72 (63-77)	59 (49-66)	47 (38-56)	39 (30-48)	32 (25-42)	28 (22-37)	25 (19-34)	24 (17-33)	23 (16-32)
6	92	89	82	71	60	50	42	37	33	32	30

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	39	27	18	13	9.9	7.8	6.4	5.4	4.8	4.5	4.3
1	52 (46-60)	37 (35-44)	27 (24-32)	19 (16-23)	15 (11-18)	11 (8.5-14)	9.4 (6.6-12)	7.9 (5.3-11)	7.1 (4.7-9.7)	6.7 (4.3-9.2)	6.3 (4.0-8.8)
2	65 (56-75)	50 (42-61)	37 (31-47)	27 (21-35)	21 (15-29)	16 (11-24)	13 (8.3-21)	11 (6.6-18)	10 (5.7-17)	9.6 (5.2-16)	9.1 (4.8-15)
3	75 (66-83)	62 (51-72)	49 (39-59)	37 (28-49)	29 (20-41)	23 (14-36)	19 (11-31)	16 (8.6-27)	14 (7.4-25)	13 (6.7-24)	13 (6.2-23)
4	83 (76-87)	73 (62-80)	61 (48-68)	48 (37-59)	38 (28-50)	31 (22-43)	26 (17-38)	22 (13-34)	20 (11-32)	19 (10-30)	18 (9.6-29)
5	87 (84-89)	81 (75-84)	72 (64-76)	60 (51-67)	49 (41-58)	41 (33-50)	34 (27-44)	29 (23-39)	26 (20-36)	25 (18-34)	24 (17-33)
6	89	86	80	71	61	51	44	38	35	33	31

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	37	27	19	14	11	8.7	7.1	5.9	5.4	5.0	4.6
1	49 (45-55)	37 (34-42)	27 (24-32)	21 (17-24)	16 (12-19)	13 (9.4-15)	10 (7.3-13)	8.6 (5.9-11)	7.8 (5.2-11)	7.2 (4.7-10)	6.7 (4.3-9.5)
2	60 (52-68)	48 (41-57)	37 (31-45)	28 (22-36)	22 (16-30)	18 (12-26)	15 (9.3-22)	12 (7.3-19)	11 (6.3-18)	10 (5.7-17)	9.6 (5.2-16)
3	70 (62-77)	59 (50-67)	48 (39-57)	38 (30-49)	30 (22-42)	24 (16-36)	20 (12-32)	17 (9.6-28)	15 (8.3-26)	14 (7.3-25)	13 (6.7-24)
4	77 (71-82)	69 (60-75)	58 (48-66)	48 (38-58)	39 (30-51)	32 (24-44)	27 (18-39)	23 (15-35)	21 (13-33)	19 (11-31)	18 (10-29)
5	82 (79-85)	76 (71-80)	68 (61-74)	58 (51-66)	49 (42-58)	41 (35-51)	35 (29-45)	30 (24-40)	27 (21-37)	26 (19-35)	24 (17-34)
6	86	81	76	68	59	51	44	38	35	33	31

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	33	25	19	14	11	8.8	7.2	6.0	5.4	4.9	4.5
1	43 (40-47)	33 (30-37)	26 (22-29)	20 (16-23)	16 (12-18)	13 (9.4-15)	10 (7.3-13)	8.6 (6.0-11)	7.8 (5.2-11)	7.1 (4.7-9.8)	6.5 (4.2-9.2)
2	53 (46-60)	43 (37-50)	34 (29-41)	27 (21-34)	21 (16-29)	17 (12-24)	14 (9.4-21)	12 (7.5-19)	11 (6.5-17)	9.9 (5.7-16)	9.2 (5.1-15)
3	63 (55-69)	53 (45-60)	44 (36-53)	35 (28-46)	29 (21-39)	23 (16-34)	19 (12-30)	17 (9.9-27)	15 (8.4-25)	14 (7.4-23)	13 (6.6-22)
4	71 (65-76)	62 (55-68)	53 (45-61)	45 (36-54)	37 (29-48)	31 (24-42)	26 (18-37)	22 (15-33)	20 (13-31)	18 (11-29)	17 (9.8-27)
5	76 (73-80)	70 (65-75)	62 (57-69)	54 (48-62)	46 (40-55)	39 (33-48)	33 (28-42)	29 (23-38)	26 (20-35)	24 (18-33)	22 (16-31)
6	81	76	70	62	55	48	41	36	33	31	29

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	27	21	16	13	10	8.2	6.6	5.7	5.1	4.5	4.1
1	37 (32-44)	29 (24-35)	23 (19-28)	18 (14-22)	14 (11-17)	11 (8.5-14)	9.2 (6.7-11)	7.8 (5.6-9.3)	6.9 (4.8-8.2)	6.2 (4.2-7.4)	5.6 (3.8-6.7)
2	47 (40-56)	39 (31-48)	31 (24-39)	25 (19-32)	20 (15-26)	16 (11-21)	13 (8.7-17)	11 (7.1-15)	9.3 (6.1-13)	8.3 (5.3-12)	7.5 (4.6-11)
3	58 (49-66)	49 (40-58)	41 (32-50)	33 (25-42)	26 (19-35)	21 (15-29)	17 (12-24)	14 (9.4-21)	13 (8.0-19)	11 (6.9-17)	9.9 (6.0-15)
4	67 (59-73)	59 (50-66)	51 (41-59)	42 (33-51)	35 (27-43)	28 (21-36)	23 (17-31)	19 (14-26)	17 (12-24)	15 (10.0-21)	13 (8.8-19)
5	74 (68-78)	68 (61-73)	60 (53-67)	52 (45-59)	44 (37-51)	37 (30-44)	30 (25-37)	25 (21-32)	22 (18-28)	19 (16-25)	17 (14-23)
6	79	75	69	62	54	46	38	33	28	25	22

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	22	18	14	11	9.2	7.4	6.1	5.2	4.6	4.1	3.7
1	32 (25-49)	26 (20-41)	21 (16-33)	17 (12-26)	13 (9.6-21)	11 (7.6-16)	8.7 (6.1-12)	7.4 (5.1-10)	6.4 (4.4-8.2)	5.6 (3.8-6.9)	4.9 (3.4-5.8)
2	43 (32-59)	36 (26-51)	30 (20-43)	24 (16-35)	19 (13-28)	16 (10-23)	12 (8.0-18)	10 (6.7-15)	8.8 (5.6-12)	7.6 (4.8-10)	6.6 (4.2-8.7)
3	54 (40-67)	47 (33-60)	40 (27-52)	33 (21-45)	27 (17-37)	22 (13-31)	18 (11-25)	15 (8.8-21)	12 (7.5-17)	10 (6.4-15)	8.9 (5.5-13)
4	64 (49-74)	58 (42-68)	51 (35-61)	44 (28-54)	37 (23-46)	30 (18-39)	25 (15-32)	20 (12-27)	17 (11-22)	14 (9.0-19)	12 (7.8-16)
5	73 (58-78)	68 (51-74)	62 (44-68)	55 (37-62)	48 (31-55)	40 (26-47)	33 (21-40)	28 (18-34)	23 (15-29)	19 (13-24)	16 (12-21)
6	78	76	71	65	59	51	44	37	31	26	22

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	18	14	12	9.5	7.8	6.3	5.3	4.6	4.0	3.5	3.1
1	25 (19-41)	21 (16-34)	17 (13-28)	14 (10-23)	11 (8.1-19)	9.3 (6.5-15)	7.6 (5.3-12)	6.5 (4.5-9.8)	5.6 (3.9-8.1)	4.9 (3.3-6.7)	4.3 (2.9-5.7)
2	35 (25-50)	29 (20-44)	25 (17-37)	20 (13-31)	17 (11-25)	13 (8.7-20)	11 (7.1-17)	9.3 (6.0-14)	7.9 (5.1-12)	6.8 (4.3-9.7)	5.9 (3.7-8.1)
3	45 (31-59)	39 (26-52)	33 (22-46)	28 (18-39)	23 (15-33)	19 (12-27)	16 (9.5-22)	13 (8.0-19)	11 (6.8-16)	9.5 (5.8-13)	8.1 (5.0-11)
4	55 (39-66)	49 (33-60)	43 (28-54)	37 (23-47)	32 (19-41)	26 (16-34)	22 (13-29)	19 (11-24)	16 (9.3-21)	13 (8.0-17)	11 (6.9-15)
5	65 (47-71)	60 (41-66)	54 (35-60)	48 (30-54)	41 (25-48)	35 (21-42)	30 (17-36)	25 (15-31)	22 (13-26)	18 (11-23)	15 (9.8-19)
6	72	69	64	58	52	45	39	34	29	25	21

Ten years probability of osteoporotic fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men 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	13	11	9.1	7.5	6.2	5.2	4.4	3.8	3.4	3.0	2.6
1	19 (14-33)	16 (12-28)	14 (9.7-23)	11 (7.9-19)	9.4 (6.5-16)	7.7 (5.3-13)	6.5 (4.5-11)	5.6 (3.8-9.1)	4.9 (3.3-7.7)	4.3 (2.9-6.5)	3.7 (2.5-5.5)
2	27 (19-42)	23 (16-36)	20 (13-31)	17 (11-26)	14 (8.8-22)	11 (7.2-18)	9.6 (6.0-15)	8.3 (5.2-13)	7.1 (4.4-11)	6.1 (3.8-9.1)	5.3 (3.3-7.8)
3	37 (24-50)	32 (20-44)	28 (17-39)	23 (14-34)	20 (12-29)	17 (9.8-24)	14 (8.2-20)	12 (7.0-17)	10 (6.0-15)	8.8 (5.1-13)	7.5 (4.4-11)
4	47 (31-58)	42 (26-52)	37 (22-47)	32 (19-41)	27 (16-36)	23 (13-31)	20 (11-26)	17 (9.6-23)	15 (8.2-19)	12 (7.1-17)	11 (6.1-14)
5	57 (39-64)	52 (34-59)	47 (29-54)	42 (25-48)	37 (21-43)	32 (18-37)	27 (15-33)	24 (13-29)	20 (11-25)	18 (9.7-22)	15 (8.5-19)
6	66	62	58	53	47	42	37	32	28	24	21

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	9.7	8.2	7.0	5.9	5.0	4.2	3.7	3.3	2.9	2.6	2.3
1	14 (10-24)	12 (8.5-21)	10 (7.2-18)	8.8 (6.1-15)	7.5 (5.1-13)	6.3 (4.3-11)	5.5 (3.7-9.2)	4.9 (3.3-8.0)	4.3 (2.9-7.0)	3.8 (2.5-6.1)	3.3 (2.2-5.3)
2	20 (13-32)	18 (11-28)	15 (9.7-24)	13 (8.2-20)	11 (6.9-17)	9.4 (5.8-15)	8.1 (5.0-13)	7.2 (4.4-11)	6.3 (3.9-9.7)	5.5 (3.4-8.4)	4.8 (3.0-7.3)
3	28 (18-39)	25 (15-35)	21 (13-31)	19 (11-27)	16 (9.3-23)	14 (7.9-20)	12 (6.9-17)	10 (6.0-15)	9.1 (5.3-13)	8.0 (4.6-12)	7.0 (4.0-10)
4	37 (23-47)	33 (20-43)	29 (17-38)	26 (15-34)	22 (13-30)	19 (11-26)	17 (9.3-23)	15 (8.2-20)	13 (7.2-18)	12 (6.3-16)	10 (5.5-14)
5	47 (29-54)	43 (26-50)	39 (23-45)	35 (19-41)	31 (17-36)	27 (14-32)	24 (13-29)	21 (11-26)	19 (9.8-23)	16 (8.6-20)	14 (7.6-18)
6	57	53	49	45	40	36	32	29	26	23	20