Uzbekistan - 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 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	25	14	7.2	3.7	1.9	1.0	0.5	0.3	0.1	0.1	0.0
1	37 (26-46)	21 (14-27)	11 (7.5-15)	6.0 (3.9-7.8)	3.1 (2.0-4.0)	1.6 (1.0-2.1)	0.8 (0.5-1.1)	0.4 (0.3-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
2	51 (35-67)	31 (20-44)	18 (11-26)	9.4 (5.5-14)	4.9 (2.8-7.4)	2.5 (1.5-3.9)	1.3 (0.7-2.0)	0.7 (0.4-1.0)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	67 (48-84)	44 (28-63)	26 (16-40)	14 (8.3-23)	7.7 (4.3-13)	4.0 (2.2-6.6)	2.1 (1.1-3.4)	1.1 (0.6-1.8)	0.6 (0.3-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	81 (67-92)	59 (44-77)	38 (25-54)	22 (14-33)	12 (7.4-18)	6.2 (3.8-9.9)	3.2 (2.0-5.2)	1.7 (1.0-2.7)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
5	91 (85-95)	75 (65-86)	52 (42-66)	32 (24-43)	18 (13-25)	9.6 (7.0-14)	5.0 (3.6-7.3)	2.6 (1.9-3.9)	1.4 (1.0-2.1)	0.7 (0.5-1.1)	0.4 (0.3-0.6)
6	95	87	68	45	26	14	7.6	4.1	2.2	1.2	0.6

Ten years probability of hip 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	26	15	8.4	4.6	2.5	1.4	0.7	0.4	0.2	0.1	0.1
1	38 (27-45)	23 (16-28)	13 (8.8-16)	7.2 (4.8-8.9)	4.0 (2.6-4.9)	2.1 (1.4-2.6)	1.2 (0.8-1.4)	0.6 (0.4-0.8)	0.4 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
2	52 (36-66)	33 (22-45)	20 (12-28)	11 (6.8-16)	6.2 (3.7-8.9)	3.4 (2.0-4.9)	1.8 (1.1-2.7)	1.0 (0.6-1.5)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	67 (50-82)	46 (31-63)	29 (18-42)	17 (10-26)	9.5 (5.6-15)	5.2 (3.1-8.2)	2.8 (1.7-4.5)	1.6 (0.9-2.5)	0.9 (0.5-1.4)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
4	80 (68-90)	61 (47-77)	41 (29-56)	25 (17-36)	14 (9.5-22)	8.0 (5.2-12)	4.4 (2.8-6.8)	2.5 (1.6-3.8)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.7)
5	89 (85-94)	75 (68-86)	55 (47-68)	35 (29-47)	21 (17-29)	12 (9.5-17)	6.7 (5.2-9.5)	3.8 (2.9-5.4)	2.1 (1.6-3.1)	1.2 (0.9-1.7)	0.7 (0.5-1.0)
6	94	87	70	49	30	18	10.0	5.7	3.2	1.8	1.0

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	28	17	9.8	5.6	3.2	1.8	1.0	0.6	0.3	0.2	0.1
1	40 (29-45)	25 (18-29)	15 (10-17)	8.6 (5.9-10)	4.9 (3.3-5.7)	2.7 (1.9-3.3)	1.6 (1.1-1.9)	0.9 (0.6-1.1)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	53 (39-65)	35 (24-45)	22 (14-29)	13 (8.2-17)	7.4 (4.7-10)	4.2 (2.6-5.8)	2.4 (1.5-3.4)	1.4 (0.9-2.0)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
3	67 (52-80)	48 (34-62)	31 (21-43)	19 (12-28)	11 (7.0-17)	6.4 (4.0-9.7)	3.7 (2.3-5.6)	2.2 (1.3-3.3)	1.3 (0.8-1.9)	0.7 (0.4-1.1)	0.4 (0.3-0.7)
4	79 (70-88)	62 (50-76)	43 (33-57)	27 (20-39)	17 (12-24)	9.7 (6.7-14)	5.6 (3.9-8.5)	3.3 (2.3-5.0)	1.9 (1.3-2.9)	1.1 (0.8-1.7)	0.6 (0.4-1.0)
5	88 (85-92)	75 (70-84)	56 (51-69)	38 (33-50)	24 (20-32)	14 (12-20)	8.4 (6.9-12)	5.0 (4.1-7.0)	2.9 (2.4-4.1)	1.7 (1.4-2.4)	1.0 (0.8-1.4)
6	92	85	70	51	34	21	12	7.4	4.3	2.5	1.5

Ten years probability of hip 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	27	17	10	6.1	3.6	2.1	1.3	0.8	0.5	0.3	0.2
1	38 (29-43)	25 (18-29)	15 (11-18)	9.2 (6.4-11)	5.5 (3.8-6.5)	3.2 (2.2-3.8)	1.9 (1.3-2.3)	1.2 (0.8-1.4)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
2	50 (38-60)	34 (24-43)	22 (15-28)	14 (9.0-18)	8.2 (5.3-11)	4.8 (3.1-6.3)	2.9 (1.9-3.9)	1.8 (1.1-2.3)	1.1 (0.7-1.4)	0.6 (0.4-0.9)	0.4 (0.3-0.5)
3	63 (51-74)	46 (34-58)	31 (22-41)	20 (13-27)	12 (8.0-17)	7.2 (4.7-10)	4.4 (2.9-6.4)	2.7 (1.7-3.9)	1.6 (1.1-2.4)	1.0 (0.6-1.4)	0.6 (0.4-0.9)
4	75 (67-84)	59 (50-71)	42 (34-54)	28 (21-38)	17 (13-25)	11 (7.8-15)	6.6 (4.8-9.5)	4.0 (2.9-5.9)	2.4 (1.8-3.6)	1.5 (1.1-2.2)	0.9 (0.6-1.3)
5	84 (81-88)	71 (67-80)	54 (49-66)	38 (33-49)	25 (21-33)	15 (13-21)	9.6 (7.9-13)	5.9 (4.9-8.3)	3.6 (3.0-5.1)	2.2 (1.8-3.1)	1.3 (1.1-1.9)
6	89	81	67	50	34	22	14	8.7	5.3	3.3	2.0

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	25	16	10	6.4	3.9	2.4	1.5	1.0	0.6	0.4	0.2
1	38 (34-45)	26 (22-31)	17 (14-21)	10 (9.0-13)	6.5 (5.6-8.3)	4.1 (3.5-5.2)	2.6 (2.2-3.3)	1.6 (1.4-2.1)	1.0 (0.9-1.3)	0.7 (0.6-0.8)	0.4 (0.3-0.5)
2	53 (46-63)	38 (32-47)	26 (21-33)	17 (13-22)	11 (8.3-14)	6.7 (5.2-9.1)	4.3 (3.3-5.8)	2.7 (2.1-3.7)	1.7 (1.3-2.4)	1.1 (0.8-1.5)	0.7 (0.5-0.9)
3	68 (60-75)	53 (44-61)	38 (30-46)	26 (20-32)	17 (13-22)	11 (8.0-14)	7.0 (5.1-9.3)	4.5 (3.2-6.0)	2.9 (2.1-3.8)	1.8 (1.3-2.4)	1.1 (0.8-1.5)
4	79 (73-83)	68 (59-73)	53 (43-59)	38 (30-45)	26 (20-31)	17 (13-21)	11 (8.3-14)	7.3 (5.3-9.1)	4.7 (3.4-5.9)	3.0 (2.1-3.8)	1.9 (1.4-2.4)
5	86 (82-88)	79 (73-81)	68 (60-71)	53 (45-57)	38 (31-43)	26 (21-30)	18 (14-20)	12 (9.2-14)	7.6 (5.9-8.8)	4.9 (3.8-5.7)	3.1 (2.4-3.6)
6	89	86	79	68	53	39	27	19	12	7.9	5.1

Ten years probability of hip 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	23	16	10	6.7	4.3	2.9	1.9	1.3	0.8	0.5	0.4
1	37 (31-63)	27 (21-49)	19 (14-36)	13 (9.3-26)	8.3 (6.1-17)	5.6 (4.0-12)	3.8 (2.7-8.0)	2.5 (1.8-5.4)	1.7 (1.2-3.6)	1.1 (0.8-2.4)	0.7 (0.5-1.6)
2	53 (40-74)	42 (29-64)	31 (20-51)	22 (13-39)	15 (8.5-28)	10 (5.7-19)	7.0 (3.8-13)	4.7 (2.5-9.2)	3.1 (1.7-6.2)	2.1 (1.1-4.1)	1.4 (0.7-2.8)
3	67 (52-82)	57 (39-74)	46 (28-64)	34 (19-51)	25 (13-38)	18 (8.6-28)	12 (5.8-20)	8.4 (3.8-14)	5.6 (2.5-9.5)	3.8 (1.7-6.5)	2.5 (1.1-4.3)
4	78 (64-86)	71 (52-81)	61 (39-73)	50 (28-62)	38 (19-50)	28 (13-38)	20 (9.0-28)	14 (6.1-20)	9.8 (4.1-14)	6.6 (2.7-9.7)	4.5 (1.8-6.5)
5	85 (74-88)	81 (64-85)	74 (53-80)	65 (40-71)	54 (29-60)	42 (21-48)	32 (15-37)	23 (10-27)	16 (6.9-19)	11 (4.6-13)	7.6 (3.1-9.2)
6	88	86	83	77	69	58	47	36	26	18	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	20	14	9.7	6.6	4.5	3.2	2.2	1.6	1.1	0.8	0.5
1	32 (25-56)	24 (18-45)	17 (12-34)	12 (8.6-25)	8.6 (5.9-18)	6.1 (4.2-13)	4.3 (2.9-9.3)	3.0 (2.0-6.6)	2.1 (1.4-4.6)	1.5 (1.0-3.2)	1.0 (0.7-2.3)
2	45 (33-67)	36 (24-57)	28 (17-46)	20 (12-36)	15 (8.3-27)	11 (5.9-20)	7.7 (4.1-15)	5.5 (2.9-11)	3.9 (2.0-7.7)	2.7 (1.4-5.4)	1.9 (1.0-3.8)
3	59 (42-75)	50 (32-67)	40 (24-58)	31 (17-47)	24 (12-37)	18 (8.8-29)	13 (6.2-22)	9.5 (4.4-16)	6.8 (3.1-11)	4.8 (2.1-8.2)	3.4 (1.5-5.8)
4	70 (53-80)	63 (43-74)	54 (33-67)	44 (24-57)	35 (18-47)	28 (13-38)	21 (9.3-29)	16 (6.6-22)	11 (4.7-16)	8.1 (3.3-12)	5.8 (2.3-8.6)
5	78 (63-83)	73 (54-79)	67 (44-72)	58 (34-65)	49 (26-56)	40 (20-47)	32 (15-38)	24 (11-29)	18 (7.6-22)	13 (5.4-16)	9.6 (3.8-12)
6	83	81	77	70	63	54	45	36	28	21	15

Ten years probability of hip 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	15	11	8.1	5.8	4.3	3.2	2.4	1.7	1.3	0.9	0.7
1	25 (19-46)	19 (14-37)	14 (10-29)	11 (7.6-22)	8.0 (5.6-17)	6.0 (4.2-13)	4.5 (3.1-9.7)	3.3 (2.3-7.3)	2.5 (1.7-5.4)	1.8 (1.2-4.0)	1.3 (0.9-2.9)
2	37 (25-57)	29 (19-48)	23 (14-39)	18 (11-31)	14 (7.8-25)	10 (5.9-19)	7.9 (4.4-15)	5.9 (3.2-11)	4.4 (2.4-8.6)	3.3 (1.7-6.4)	2.4 (1.3-4.8)
3	49 (33-66)	42 (25-58)	34 (19-50)	27 (14-41)	22 (11-34)	17 (8.3-27)	13 (6.3-21)	10 (4.7-17)	7.6 (3.5-13)	5.7 (2.6-9.6)	4.2 (1.9-7.2)
4	61 (42-73)	54 (34-66)	47 (27-59)	39 (21-51)	32 (16-43)	26 (12-35)	21 (9.3-28)	16 (7.0-22)	12 (5.2-17)	9.4 (3.9-13)	7.1 (2.9-10)
5	71 (53-77)	66 (44-72)	59 (36-65)	52 (29-58)	44 (23-51)	37 (18-43)	31 (14-36)	25 (11-29)	19 (8.1-23)	15 (6.1-18)	11 (4.6-14)
6	78	75	70	64	57	50	43	36	29	23	18

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	10.0	7.6	5.8	4.5	3.5	2.8	2.2	1.7	1.3	1.0	0.8
1	17 (13-33)	13 (9.9-27)	10 (7.6-22)	8.1 (5.8-17)	6.5 (4.6-14)	5.1 (3.6-11)	4.1 (2.8-8.9)	3.2 (2.2-7.0)	2.5 (1.7-5.5)	1.9 (1.3-4.3)	1.5 (1.0-3.4)
2	26 (17-44)	21 (13-37)	17 (10-30)	14 (7.9-25)	11 (6.3-20)	8.9 (5.0-16)	7.1 (3.9-13)	5.6 (3.1-11)	4.4 (2.4-8.4)	3.5 (1.9-6.7)	2.7 (1.5-5.3)
3	37 (22-53)	31 (18-46)	26 (14-39)	21 (11-33)	18 (8.7-28)	14 (6.9-23)	12 (5.5-19)	9.3 (4.3-15)	7.4 (3.4-12)	5.9 (2.7-9.9)	4.7 (2.1-7.9)
4	49 (30-61)	43 (24-55)	37 (19-48)	31 (15-41)	26 (13-36)	22 (10-30)	18 (8.1-25)	15 (6.5-21)	12 (5.1-17)	9.6 (4.0-14)	7.6 (3.2-11)
5	61 (39-67)	55 (33-61)	49 (27-55)	43 (22-48)	37 (18-42)	32 (15-37)	27 (12-31)	22 (9.6-26)	18 (7.7-22)	15 (6.1-18)	12 (4.8-15)
6	70	66	61	55	49	43	38	32	27	23	18