

Uzbekistan - The probabilities of a hip fracture in men

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	32	18	10	5.4	2.9	1.5	0.8	0.4	0.2	0.1	0.1
1	44 (33-54)	27 (19-35)	16 (11-20)	8.5 (5.7-11)	4.6 (3.0-6.0)	2.4 (1.6-3.2)	1.3 (0.8-1.7)	0.7 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.1)
2	59 (43-73)	39 (26-53)	23 (15-33)	13 (8.0-19)	7.1 (4.3-11)	3.8 (2.3-5.8)	2.0 (1.2-3.1)	1.1 (0.6-1.6)	0.6 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	72 (57-83)	52 (36-68)	33 (21-48)	20 (12-30)	11 (6.4-17)	6.0 (3.4-9.4)	3.2 (1.8-5.1)	1.7 (1.0-2.7)	0.9 (0.5-1.5)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
4	82 (72-89)	66 (52-79)	46 (33-61)	29 (19-41)	17 (11-25)	9.1 (5.7-14)	4.9 (3.0-7.7)	2.6 (1.6-4.1)	1.4 (0.9-2.2)	0.8 (0.5-1.2)	0.4 (0.3-0.7)
5	88 (84-91)	78 (70-86)	60 (50-72)	40 (31-52)	24 (18-33)	14 (10-19)	7.5 (5.4-11)	4.0 (2.9-5.8)	2.2 (1.6-3.1)	1.2 (0.9-1.7)	0.6 (0.5-0.9)
6	91	86	73	54	34	20	11	6.1	3.3	1.8	1.0

Ten years probability of hip 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	32	19	11	6.3	3.5	1.9	1.1	0.6	0.3	0.2	0.1
1	44 (34-52)	28 (20-34)	17 (12-21)	9.7 (6.6-12)	5.4 (3.7-6.8)	3.0 (2.0-3.8)	1.6 (1.1-2.1)	0.9 (0.6-1.1)	0.5 (0.3-0.6)	0.3 (0.2-0.4)	0.2 (0.1-0.2)
2	57 (44-69)	39 (27-51)	25 (16-33)	15 (9.3-20)	8.3 (5.2-12)	4.6 (2.9-6.7)	2.6 (1.6-3.7)	1.4 (0.9-2.0)	0.8 (0.5-1.2)	0.4 (0.3-0.7)	0.3 (0.2-0.4)
3	69 (57-80)	52 (38-64)	35 (24-47)	21 (14-30)	12 (7.8-18)	7.0 (4.3-11)	3.9 (2.4-6.0)	2.2 (1.3-3.3)	1.2 (0.7-1.9)	0.7 (0.4-1.1)	0.4 (0.2-0.6)
4	79 (71-85)	64 (53-75)	46 (35-59)	30 (21-41)	18 (12-26)	11 (7.1-16)	5.9 (3.9-8.9)	3.3 (2.2-5.0)	1.9 (1.2-2.9)	1.1 (0.7-1.6)	0.6 (0.4-0.9)
5	85 (81-88)	75 (68-82)	59 (51-70)	41 (34-52)	26 (21-35)	15 (12-21)	8.9 (6.9-12)	5.0 (3.8-7.1)	2.8 (2.2-4.0)	1.6 (1.2-2.3)	0.9 (0.7-1.3)
6	88	83	71	54	36	22	13	7.4	4.2	2.4	1.4

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	29	19	11	6.9	4.1	2.4	1.4	0.8	0.5	0.3	0.2
1	40 (31-46)	27 (20-31)	17 (12-20)	10 (7.2-12)	6.1 (4.3-7.2)	3.6 (2.5-4.3)	2.1 (1.5-2.5)	1.2 (0.9-1.5)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.3 (0.2-0.3)
2	51 (40-61)	36 (26-46)	24 (17-31)	15 (10-20)	9.1 (6.0-12)	5.4 (3.5-7.4)	3.2 (2.1-4.4)	1.9 (1.2-2.6)	1.1 (0.7-1.6)	0.7 (0.4-0.9)	0.4 (0.3-0.6)
3	63 (53-72)	47 (37-58)	33 (24-42)	21 (15-29)	13 (9.0-18)	8.1 (5.3-11)	4.8 (3.1-6.8)	2.8 (1.8-4.1)	1.7 (1.1-2.5)	1.0 (0.7-1.5)	0.6 (0.4-0.9)
4	72 (65-79)	59 (49-68)	43 (34-54)	30 (22-39)	19 (14-26)	12 (8.4-17)	7.1 (5.0-10)	4.2 (3.0-6.1)	2.6 (1.8-3.8)	1.6 (1.1-2.3)	0.9 (0.7-1.4)
5	79 (75-83)	69 (63-75)	55 (49-64)	39 (34-49)	26 (22-34)	17 (14-23)	10 (8.5-14)	6.2 (5.1-8.6)	3.8 (3.1-5.3)	2.3 (1.9-3.2)	1.4 (1.1-2.0)
6	83	76	65	51	36	24	15	9.0	5.6	3.4	2.1

Ten years probability of hip 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	25	17	11	6.8	4.2	2.6	1.6	1.0	0.7	0.4	0.3
1	34 (26-37)	23 (17-26)	15 (11-17)	9.8 (7.1-11)	6.2 (4.5-7.1)	3.9 (2.8-4.5)	2.4 (1.7-2.8)	1.5 (1.1-1.8)	1.0 (0.7-1.1)	0.6 (0.4-0.7)	0.4 (0.3-0.5)
2	43 (34-51)	31 (23-38)	21 (15-27)	14 (9.9-18)	9.1 (6.3-12)	5.7 (3.9-7.4)	3.6 (2.4-4.7)	2.3 (1.5-2.9)	1.5 (1.0-1.9)	0.9 (0.6-1.2)	0.6 (0.4-0.8)
3	54 (45-62)	41 (33-50)	29 (22-37)	20 (15-25)	13 (9.4-17)	8.3 (5.9-11)	5.3 (3.7-7.0)	3.3 (2.3-4.5)	2.1 (1.5-2.9)	1.4 (1.0-1.9)	0.9 (0.6-1.2)
4	63 (57-71)	51 (44-59)	38 (31-47)	27 (21-34)	18 (14-24)	12 (9.1-16)	7.6 (5.7-10)	4.8 (3.6-6.7)	3.1 (2.4-4.4)	2.0 (1.5-2.9)	1.3 (1.0-1.8)
5	71 (67-76)	60 (56-67)	48 (43-56)	35 (32-43)	25 (22-32)	17 (14-22)	11 (9.4-14)	7.0 (6.0-9.4)	4.5 (3.9-6.2)	2.9 (2.5-4.0)	1.9 (1.6-2.6)
6	77	68	57	45	33	23	15	9.9	6.5	4.2	2.7

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	20	14	9.3	6.2	4.1	2.7	1.8	1.2	0.8	0.6	0.4
1	29 (26-36)	21 (19-26)	14 (13-18)	9.8 (8.7-13)	6.6 (5.8-8.6)	4.4 (3.9-5.8)	2.9 (2.6-3.8)	2.0 (1.7-2.6)	1.3 (1.2-1.7)	0.9 (0.8-1.2)	0.6 (0.5-0.8)
2	40 (34-47)	30 (25-37)	22 (18-27)	15 (12-19)	10 (8.5-14)	7.0 (5.7-9.2)	4.7 (3.8-6.2)	3.2 (2.6-4.2)	2.2 (1.8-2.9)	1.5 (1.2-2.0)	1.0 (0.8-1.3)
3	51 (44-59)	41 (34-48)	31 (25-37)	23 (18-28)	16 (13-20)	11 (8.5-14)	7.4 (5.7-9.4)	5.1 (3.9-6.4)	3.5 (2.7-4.4)	2.4 (1.8-3.0)	1.6 (1.2-2.1)
4	62 (55-68)	53 (45-59)	42 (35-48)	32 (26-38)	23 (18-28)	17 (13-20)	11 (8.7-14)	8.0 (6.0-9.6)	5.5 (4.1-6.7)	3.8 (2.8-4.6)	2.6 (1.9-3.2)
5	71 (65-75)	63 (56-67)	54 (46-58)	43 (36-47)	33 (27-36)	24 (19-27)	17 (13-19)	12 (9.3-14)	8.6 (6.5-9.6)	6.0 (4.5-6.7)	4.1 (3.1-4.6)
6	78	72	64	55	44	34	25	18	13	9.3	6.5

Ten years probability of hip 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	15	11	8.0	5.7	4.0	2.8	2.0	1.4	1.0	0.7	0.5
1	25 (20-46)	19 (15-37)	14 (11-29)	10 (7.9-22)	7.5 (5.6-16)	5.3 (4.0-11)	3.8 (2.8-8.2)	2.7 (2.0-6.0)	2.0 (1.4-4.3)	1.4 (1.0-3.1)	1.0 (0.7-2.3)
2	37 (26-56)	30 (20-47)	23 (15-38)	17 (11-30)	13 (7.8-23)	9.4 (5.6-17)	6.7 (3.9-12)	4.9 (2.8-9.2)	3.6 (2.0-6.8)	2.6 (1.5-5.0)	1.9 (1.1-3.6)
3	49 (34-65)	42 (27-57)	34 (20-48)	27 (15-40)	21 (11-31)	15 (7.8-24)	11 (5.6-18)	8.4 (4.1-14)	6.2 (3.0-10)	4.5 (2.1-7.4)	3.3 (1.5-5.4)
4	61 (43-72)	54 (35-65)	46 (27-57)	38 (21-49)	31 (16-40)	24 (11-32)	18 (8.3-24)	14 (6.1-18)	10 (4.5-14)	7.6 (3.2-10)	5.6 (2.3-7.6)
5	71 (53-77)	65 (45-71)	58 (36-65)	51 (29-57)	43 (22-49)	34 (17-40)	27 (12-31)	21 (9.1-25)	16 (6.8-19)	12 (5.0-14)	9.1 (3.6-11)
6	78	75	69	63	55	47	38	31	25	19	14

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	12	9.0	6.8	5.1	3.8	2.8	2.1	1.6	1.2	0.9	0.7
1	20 (15-37)	15 (12-31)	12 (8.7-24)	9.1 (6.6-19)	6.9 (4.9-15)	5.2 (3.7-11)	3.9 (2.7-8.6)	3.0 (2.1-6.6)	2.3 (1.6-5.1)	1.7 (1.2-3.9)	1.3 (0.9-3.0)
2	29 (19-48)	24 (15-40)	19 (11-33)	15 (8.7-27)	12 (6.6-21)	8.9 (4.9-16)	6.7 (3.7-13)	5.2 (2.9-9.8)	4.0 (2.2-7.6)	3.1 (1.7-5.9)	2.4 (1.3-4.6)
3	40 (25-56)	34 (20-49)	28 (16-42)	23 (12-35)	18 (9.1-29)	14 (6.9-23)	11 (5.2-18)	8.7 (4.0-14)	6.7 (3.1-11)	5.2 (2.4-8.8)	4.0 (1.8-6.8)
4	52 (32-64)	45 (26-57)	39 (21-50)	33 (17-43)	27 (13-36)	22 (9.9-30)	17 (7.5-24)	14 (5.9-19)	11 (4.5-15)	8.5 (3.5-12)	6.6 (2.7-9.4)
5	63 (42-69)	57 (35-63)	51 (29-57)	44 (23-50)	37 (18-43)	31 (14-36)	25 (11-29)	21 (8.7-24)	17 (6.8-20)	13 (5.3-16)	10 (4.1-12)
6	71	67	62	56	49	42	35	29	24	20	16

Ten years probability of hip 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	8.6	6.8	5.4	4.2	3.3	2.6	2.0	1.6	1.3	1.0	0.8
1	15 (11-29)	12 (8.8-25)	9.6 (7.0-20)	7.6 (5.5-16)	6.0 (4.3-13)	4.7 (3.4-10)	3.8 (2.7-8.4)	3.0 (2.1-6.8)	2.4 (1.7-5.5)	2.0 (1.4-4.4)	1.6 (1.1-3.5)
2	23 (14-39)	19 (11-33)	16 (9.1-28)	13 (7.2-23)	10 (5.7-19)	8.1 (4.5-15)	6.5 (3.6-12)	5.3 (2.9-10)	4.3 (2.3-8.2)	3.5 (1.9-6.6)	2.8 (1.5-5.3)
3	33 (19-48)	28 (15-42)	24 (12-36)	20 (9.9-30)	16 (7.9-25)	13 (6.2-21)	11 (5.0-17)	8.7 (4.0-14)	7.1 (3.2-12)	5.8 (2.6-9.7)	4.7 (2.1-7.9)
4	44 (25-56)	39 (21-50)	33 (17-44)	28 (14-38)	24 (11-33)	20 (8.9-27)	16 (7.2-23)	14 (5.8-19)	11 (4.7-16)	9.3 (3.8-13)	7.6 (3.1-11)
5	55 (34-61)	50 (29-56)	45 (24-51)	39 (20-45)	34 (16-39)	29 (13-33)	24 (11-28)	20 (8.6-24)	17 (7.1-20)	14 (5.7-17)	12 (4.7-14)
6	65	61	56	51	45	39	34	29	25	21	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	5.6	4.6	3.8	3.1	2.5	2.1	1.7	1.5	1.2	1.0	0.9
1	9.9 (7.3-21)	8.3 (6.0-18)	6.9 (4.9-15)	5.7 (4.1-12)	4.7 (3.3-10)	3.8 (2.7-8.5)	3.2 (2.3-7.2)	2.7 (1.9-6.1)	2.3 (1.6-5.2)	1.9 (1.4-4.4)	1.6 (1.1-3.7)
2	16 (9.4-29)	14 (7.8-25)	11 (6.4-21)	9.5 (5.3-18)	7.9 (4.4-15)	6.6 (3.6-12)	5.6 (3.0-11)	4.7 (2.5-9.1)	4.0 (2.1-7.7)	3.4 (1.8-6.5)	2.9 (1.5-5.5)
3	24 (13-36)	21 (11-32)	18 (8.9-28)	15 (7.4-24)	13 (6.1-20)	11 (5.0-17)	9.1 (4.2-15)	7.8 (3.6-13)	6.6 (3.0-11)	5.6 (2.5-9.4)	4.8 (2.1-8.0)
4	34 (17-44)	30 (15-40)	26 (12-35)	22 (10-31)	19 (8.6-27)	16 (7.1-23)	14 (6.0-20)	12 (5.1-17)	10 (4.4-15)	9.0 (3.7-13)	7.7 (3.1-11)
5	45 (24-51)	40 (21-46)	36 (18-42)	32 (15-37)	28 (13-32)	24 (11-28)	21 (8.9-25)	18 (7.6-22)	16 (6.5-19)	14 (5.5-16)	12 (4.7-14)
6	55	51	47	43	38	34	30	26	23	20	18