

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 body mass index (BMI kg/m²), 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.

Age = 50 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	4.6	4.5	4.5	3.9	3.4	3.0	2.6
1	7.3 (4.9-11)	7.0 (4.7-10.0)	6.9 (4.6-9.5)	6.0 (4.0-8.3)	5.2 (3.5-7.2)	4.6 (3.0-6.3)	4.0 (2.6-5.5)
2	11 (6.2-19)	11 (5.8-18)	10 (5.6-18)	9.1 (4.8-16)	7.9 (4.2-14)	6.9 (3.7-12)	6.0 (3.2-11)
3	17 (9.0-28)	16 (8.1-27)	15 (7.6-27)	13 (6.6-24)	12 (5.7-21)	10 (5.0-18)	9.0 (4.3-16)
4	25 (14-38)	23 (13-36)	22 (12-35)	19 (10-31)	17 (9.0-27)	15 (7.8-24)	13 (6.7-21)
5	36 (23-45)	33 (22-42)	31 (22-41)	28 (19-36)	24 (17-32)	21 (15-29)	19 (13-25)
6	48	45	43	38	33	30	26

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

Age = 55 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	5.6	5.4	5.3	4.6	4.0	3.5	3.0
1	8.8 (6.0-13)	8.3 (5.7-12)	8.1 (5.5-11)	7.0 (4.7-9.6)	6.1 (4.1-8.3)	5.3 (3.5-7.2)	4.6 (3.1-6.2)
2	14 (7.8-21)	13 (7.1-21)	12 (6.7-20)	11 (5.8-18)	9.2 (5.0-16)	8.0 (4.3-14)	6.9 (3.7-12)
3	20 (12-31)	19 (10-30)	18 (9.3-30)	16 (8.0-26)	13 (6.9-23)	12 (5.9-20)	10 (5.1-18)
4	29 (18-41)	27 (16-40)	25 (15-39)	22 (13-34)	19 (11-30)	17 (9.2-27)	15 (7.9-24)
5	40 (27-49)	37 (26-47)	35 (25-45)	31 (22-40)	27 (19-36)	24 (17-32)	21 (14-28)
6	52	49	47	42	37	33	29

Age = 60 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	6.9	6.5	6.3	5.4	4.7	4.1	3.5
1	11 (7.4-15)	9.9 (6.9-14)	9.6 (6.6-13)	8.3 (5.6-11)	7.1 (4.8-9.5)	6.1 (4.1-8.2)	5.3 (3.6-7.1)
2	16 (9.8-24)	15 (8.8-23)	14 (8.2-23)	12 (7.0-20)	11 (6.0-18)	9.1 (5.1-15)	7.9 (4.3-13)
3	23 (15-33)	22 (13-33)	21 (12-33)	18 (9.8-29)	15 (8.3-25)	13 (7.1-22)	11 (6.0-19)
4	32 (22-44)	30 (20-43)	29 (18-43)	25 (15-38)	22 (13-33)	19 (11-29)	16 (9.2-26)
5	43 (31-52)	41 (30-51)	39 (29-50)	34 (25-44)	30 (22-39)	26 (19-35)	23 (16-30)
6	54	53	51	46	40	35	31

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

Age = 65 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	7.8	7.2	7.0	5.9	5.1	4.4	3.7
1	12 (8.4-16)	11 (7.8-15)	10 (7.3-14)	8.9 (6.2-12)	7.6 (5.2-10)	6.5 (4.4-8.6)	5.6 (3.8-7.3)
2	17 (11-25)	16 (10-24)	15 (9.3-24)	13 (7.8-21)	11 (6.6-18)	9.6 (5.5-16)	8.2 (4.7-14)
3	24 (16-34)	23 (15-33)	22 (13-34)	19 (11-29)	16 (9.4-26)	14 (7.9-22)	12 (6.6-19)
4	33 (23-44)	32 (22-43)	30 (20-43)	26 (17-38)	23 (14-34)	19 (12-29)	17 (9.9-26)
5	43 (33-52)	42 (32-51)	41 (31-51)	36 (27-45)	31 (23-40)	27 (20-35)	23 (17-31)
6	53	53	52	46	41	35	31

Age = 70 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	8.1	7.6	7.3	6.1	5.2	4.4	3.7
1	12 (8.7-15)	11 (8.1-14)	11 (7.7-14)	8.9 (6.4-12)	7.5 (5.3-9.8)	6.3 (4.4-8.3)	5.3 (3.7-7.0)
2	18 (12-26)	17 (11-24)	15 (9.9-22)	13 (8.2-18)	11 (6.8-16)	9.0 (5.7-13)	7.6 (4.7-11)
3	26 (17-37)	24 (16-34)	22 (15-31)	18 (12-26)	15 (9.9-22)	13 (8.2-19)	11 (6.8-16)
4	36 (25-47)	33 (23-44)	31 (21-42)	26 (18-36)	22 (15-31)	18 (12-26)	15 (9.9-22)
5	47 (40-56)	44 (37-53)	41 (35-51)	36 (29-44)	30 (24-38)	25 (20-33)	21 (17-28)
6	58	56	53	47	40	35	29

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

Age = 75 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	8.5	8.0	7.6	6.4	5.3	4.4	3.7
1	13 (9.1-20)	12 (8.5-17)	11 (8.1-15)	9.4 (6.6-12)	7.7 (5.4-9.6)	6.4 (4.5-7.9)	5.3 (3.7-6.6)
2	21 (13-32)	19 (12-28)	17 (11-24)	14 (8.7-20)	11 (7.1-17)	9.4 (5.8-14)	7.7 (4.8-11)
3	30 (17-44)	27 (16-40)	25 (15-35)	20 (12-30)	17 (10-25)	14 (8.2-20)	11 (6.7-17)
4	41 (26-54)	38 (24-50)	35 (23-47)	29 (18-40)	24 (15-34)	20 (12-29)	16 (9.9-24)
5	53 (39-62)	50 (37-60)	47 (35-57)	40 (30-50)	34 (25-43)	29 (21-37)	24 (17-31)
6	64	62	59	53	46	39	33

Age = 80 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	8.8	8.2	7.8	6.4	5.2	4.3	3.5
1	14 (9.5-22)	13 (8.8-19)	12 (8.3-16)	9.5 (6.7-13)	7.7 (5.4-11)	6.3 (4.3-8.4)	5.1 (3.5-6.7)
2	21 (13-33)	19 (12-29)	17 (11-25)	14 (9.0-20)	11 (7.2-16)	9.3 (5.8-13)	7.5 (4.7-11)
3	30 (18-43)	28 (17-40)	25 (16-36)	21 (13-30)	17 (10-24)	14 (8.0-20)	11 (6.4-16)
4	41 (26-53)	38 (24-49)	35 (23-46)	29 (19-39)	24 (15-33)	20 (12-27)	16 (9.8-22)
5	52 (37-60)	49 (35-58)	46 (33-55)	40 (28-48)	33 (23-42)	28 (19-35)	23 (15-29)
6	62	60	58	51	44	38	32

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

Age = 85 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	8.9	8.1	7.7	6.2	5.0	4.0	3.3
1	14 (9.8-23)	13 (8.8-20)	12 (8.2-17)	9.5 (6.5-14)	7.6 (5.2-11)	6.1 (4.1-8.7)	4.9 (3.3-6.8)
2	22 (14-34)	20 (12-30)	18 (11-27)	14 (8.9-21)	11 (7.1-17)	9.1 (5.6-14)	7.3 (4.4-11)
3	31 (19-45)	28 (17-41)	26 (16-37)	21 (12-31)	17 (9.8-25)	14 (7.8-21)	11 (6.1-17)
4	42 (27-54)	39 (25-51)	36 (23-47)	30 (19-40)	25 (15-34)	20 (12-28)	16 (9.6-23)
5	53 (38-61)	50 (35-59)	47 (33-56)	41 (27-49)	34 (23-43)	28 (18-36)	23 (15-30)
6	62	61	59	52	45	39	32

Age = 90 years

Number of CRFs	BMI kg/m ²						
	15	20	25	30	35	40	45
0	8.4	7.7	7.4	5.9	4.7	3.8	3.0
1	14 (9.3-22)	12 (8.3-19)	11 (7.8-17)	9.0 (6.1-13)	7.2 (4.8-11)	5.7 (3.8-8.4)	4.6 (3.0-6.6)
2	21 (13-33)	19 (12-29)	17 (11-26)	14 (8.4-21)	11 (6.6-17)	8.7 (5.2-13)	6.9 (4.1-10)
3	30 (18-43)	27 (16-39)	25 (15-36)	20 (12-30)	16 (9.2-24)	13 (7.2-20)	10 (5.7-16)
4	40 (26-52)	37 (23-49)	34 (22-45)	29 (18-39)	23 (14-32)	19 (11-27)	15 (9.0-22)
5	51 (36-58)	48 (34-57)	45 (32-54)	39 (26-48)	33 (21-41)	27 (17-35)	22 (14-29)
6	58	59	57	50	44	37	31