FRAX® WHO Fracture Risk Assessment Tool

Uzbekistan - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip 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/m²						
	15	20	25	30	35	40	45
0	1.7	0.9	0.5	0.4	0.3	0.2	0.2
1	3.3 (2.2-6.5)	1.8 (1.2-3.5)	1.0 (0.6-1.9)	0.8 (0.5-1.5)	0.6 (0.4-1.2)	0.5 (0.3-0.9)	0.4 (0.2-0.7)
2	6.4 (3.2-13)	3.5 (1.8-7.4)	1.9 (1.0-4.1)	1.5 (0.7-3.2)	1.2 (0.6-2.5)	0.9 (0.5-1.9)	0.7 (0.4-1.5)
3	12 (4.9-22)	6.6 (2.7-13)	3.6 (1.5-7.1)	2.8 (1.1-5.6)	2.2 (0.9-4.4)	1.7 (0.7-3.4)	1.3 (0.5-2.6)
4	20 (8.5-32)	12 (4.7-19)	6.6 (2.6-11)	5.2 (2.0-8.4)	4.0 (1.6-6.6)	3.2 (1.2-5.1)	2.5 (0.9-4.0)
5	34 (17-43)	20 (9.8-27)	12 (5.5-16)	9.2 (4.3-12)	7.2 (3.3-9.7)	5.7 (2.6-7.6)	4.4 (2.0-6.0)
6	52	34	20	16	13	9.9	7.8

Age = 55 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	3.0	1.7	0.9	0.7	0.6	0.4	0.3
1	5.8 (4.0-10.0)	3.2 (2.2-5.6)	1.8 (1.2-3.1)	1.4 (0.9-2.4)	1.1 (0.7-1.9)	0.8 (0.6-1.4)	0.6 (0.4-1.1)
2	11 (5.8-20)	6.0 (3.3-11)	3.3 (1.8-6.4)	2.6 (1.4-5.0)	2.0 (1.1-3.9)	1.5 (0.8-3.1)	1.2 (0.7-2.4)
3	18 (8.8-32)	11 (4.9-19)	6.0 (2.7-11)	4.7 (2.1-8.7)	3.7 (1.6-6.8)	2.8 (1.3-5.3)	2.2 (1.0-4.2)
4	30 (15-44)	18 (8.6-28)	11 (4.8-16)	8.3 (3.7-13)	6.5 (2.9-10)	5.1 (2.2-8.1)	4.0 (1.7-6.3)
5	46 (28-57)	30 (17-38)	18 (9.9-24)	14 (7.7-19)	11 (6.0-15)	8.9 (4.7-12)	7.0 (3.7-9.2)
6	66	47	30	24	19	15	12

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

Age = 60 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	5.4	3.0	1.7	1.3	1.0	0.8	0.6
1	9.6 (7.0-15)	5.5 (4.0-8.6)	3.1 (2.2-4.8)	2.4 (1.7-3.7)	1.9 (1.3-2.9)	1.4 (1.0-2.3)	1.1 (0.8-1.8)
2	17 (10-28)	9.8 (5.8-17)	5.5 (3.3-9.9)	4.3 (2.5-7.8)	3.4 (2.0-6.1)	2.6 (1.5-4.7)	2.0 (1.2-3.7)
3	27 (15-43)	17 (8.7-28)	9.7 (4.9-17)	7.6 (3.8-13)	5.9 (3.0-10)	4.6 (2.3-8.2)	3.6 (1.8-6.4)
4	42 (25-57)	27 (15-39)	16 (8.6-24)	13 (6.7-20)	10 (5.2-16)	8.0 (4.1-12)	6.3 (3.2-9.6)
5	59 (43-68)	42 (28-51)	27 (17-34)	22 (14-27)	17 (11-22)	14 (8.3-17)	11 (6.5-14)
6	75	60	42	34	28	22	18

Age = 65 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	8.2	4.8	2.7	2.1	1.6	1.3	1.0
1	14 (11-19)	8.3 (6.3-12)	4.7 (3.5-6.6)	3.7 (2.8-5.2)	2.9 (2.1-4.0)	2.2 (1.7-3.1)	1.7 (1.3-2.4)
2	23 (15-34)	14 (9.0-22)	8.2 (5.2-13)	6.4 (4.0-10)	5.0 (3.1-8.2)	3.9 (2.4-6.4)	3.0 (1.9-4.9)
3	35 (22-50)	23 (13-35)	14 (7.8-22)	11 (6.1-18)	8.5 (4.7-14)	6.6 (3.7-11)	5.2 (2.9-8.6)
4	49 (35-64)	35 (22-48)	22 (13-32)	18 (11-26)	14 (8.2-20)	11 (6.4-16)	8.7 (5.0-13)
5	65 (53-72)	51 (39-59)	35 (25-42)	28 (20-35)	23 (16-28)	18 (13-23)	14 (10.0-18)
6	78	67	51	42	35	28	23

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

Age = 70 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	11	6.9	4.0	3.1	2.4	1.9	1.5
1	19 (15-22)	12 (9.6-14)	7.3 (5.8-8.4)	5.7 (4.5-6.6)	4.4 (3.5-5.1)	3.4 (2.7-4.0)	2.6 (2.1-3.1)
2	31 (22-40)	21 (14-27)	13 (8.7-17)	10 (6.8-13)	7.9 (5.3-11)	6.1 (4.1-8.3)	4.8 (3.2-6.5)
3	46 (34-58)	33 (24-45)	22 (15-31)	17 (12-25)	14 (9.1-20)	11 (7.1-16)	8.5 (5.5-12)
4	61 (50-72)	50 (39-63)	36 (27-47)	29 (22-39)	23 (17-32)	19 (13-26)	15 (11-21)
5	74 (69-80)	66 (61-74)	53 (47-61)	45 (39-52)	37 (32-44)	30 (26-36)	24 (21-30)
6	82	79	71	63	54	46	38

Age = 75 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	14	9.3	5.8	4.5	3.5	2.7	2.1
1	24 (18-39)	17 (12-28)	11 (8.0-19)	8.6 (6.2-15)	6.7 (4.8-12)	5.2 (3.7-9.0)	4.0 (2.8-7.0)
2	38 (25-55)	29 (18-44)	20 (12-32)	16 (9.3-26)	12 (7.2-21)	9.7 (5.6-16)	7.6 (4.3-13)
3	53 (36-70)	44 (29-61)	33 (20-49)	27 (16-41)	22 (12-34)	17 (9.6-27)	14 (7.5-22)
4	67 (51-78)	60 (43-74)	50 (33-66)	43 (26-58)	35 (21-50)	29 (17-42)	23 (13-34)
5	77 (65-82)	74 (59-81)	67 (50-76)	60 (42-70)	52 (35-62)	44 (28-54)	37 (22-46)
6	83	82	80	75	69	62	54

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

Age = 80 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	15	11	7.5	5.8	4.4	3.4	2.6
1	25 (19-40)	19 (14-32)	14 (9.9-23)	11 (7.7-18)	8.2 (5.9-15)	6.4 (4.5-11)	4.9 (3.5-8.8)
2	37 (26-55)	31 (20-47)	23 (15-37)	18 (11-30)	14 (8.8-24)	11 (6.8-19)	8.8 (5.2-15)
3	50 (35-65)	44 (29-60)	36 (22-52)	29 (17-44)	24 (13-37)	19 (10-30)	15 (8.0-24)
4	62 (46-73)	58 (40-69)	51 (33-64)	43 (27-57)	36 (21-49)	30 (17-41)	24 (13-34)
5	72 (59-78)	70 (54-77)	65 (48-73)	58 (40-67)	51 (33-60)	43 (27-53)	36 (22-45)
6	78	78	76	71	65	58	50

Age = 85 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	15	11	8.2	6.3	4.8	3.7	2.8
1	24 (17-38)	19 (14-32)	14 (10-25)	11 (8.0-20)	8.7 (6.1-15)	6.7 (4.7-12)	5.2 (3.6-9.3)
2	35 (24-52)	30 (20-46)	24 (15-38)	19 (12-31)	15 (9.1-25)	12 (7.0-20)	9.1 (5.4-16)
3	48 (33-63)	42 (28-58)	36 (22-51)	30 (18-44)	24 (14-36)	19 (11-30)	15 (8.2-24)
4	59 (43-71)	55 (38-67)	50 (32-62)	43 (26-55)	36 (21-48)	29 (16-40)	24 (13-33)
5	69 (56-74)	67 (52-74)	63 (46-71)	56 (39-65)	49 (32-58)	42 (26-51)	35 (21-44)
6	73	75	74	68	62	56	48

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

Age = 90 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	12	9.6	7.3	5.6	4.2	3.2	2.4
1	20 (14-33)	16 (11-28)	13 (8.9-22)	9.9 (6.8-18)	7.6 (5.2-14)	5.8 (3.9-11)	4.4 (3.0-8.1)
2	30 (20-46)	25 (16-40)	21 (13-34)	17 (10-28)	13 (7.8-22)	10 (5.9-17)	7.7 (4.5-14)
3	41 (27-56)	37 (23-51)	32 (19-45)	26 (15-38)	21 (12-31)	16 (9.0-25)	13 (6.9-20)
4	53 (37-65)	49 (32-61)	44 (27-56)	37 (22-49)	31 (17-42)	25 (13-35)	20 (10-28)
5	62 (49-68)	60 (45-68)	57 (40-66)	50 (33-59)	43 (27-52)	36 (22-45)	30 (17-38)
6	66	69	68	62	56	49	42