Kyrgyzstan - 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 Kyrgyzstan. 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	1.5	0.8	0.4	0.3	0.3	0.2	0.2
1	3.0 (2.0-5.9)	1.6 (1.1-3.2)	0.9 (0.6-1.7)	0.7 (0.5-1.4)	0.5 (0.4-1.1)	0.4 (0.3-0.8)	0.3 (0.2-0.6)
2	5.8 (2.9-12)	3.2 (1.6-6.7)	1.7 (0.9-3.7)	1.4 (0.7-2.9)	1.1 (0.5-2.2)	0.8 (0.4-1.7)	0.6 (0.3-1.4)
3	11 (4.5-20)	6.0 (2.4-12)	3.3 (1.3-6.5)	2.6 (1.0-5.0)	2.0 (0.8-3.9)	1.6 (0.6-3.1)	1.2 (0.5-2.4)
4	19 (7.7-29)	11 (4.3-17)	6.0 (2.3-9.7)	4.7 (1.8-7.6)	3.7 (1.4-6.0)	2.9 (1.1-4.7)	2.2 (0.9-3.6)
5	31 (16-40)	19 (8.9-25)	11 (4.9-14)	8.4 (3.9-11)	6.6 (3.0-8.8)	5.1 (2.3-6.9)	4.0 (1.8-5.4)
6	49	31	18	14	11	9.0	7.0

Age = 55 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	2.4	1.3	0.7	0.6	0.4	0.3	0.3
1	4.6 (3.2-8.0)	2.5 (1.7-4.4)	1.4 (0.9-2.4)	1.1 (0.7-1.9)	0.8 (0.6-1.5)	0.6 (0.4-1.1)	0.5 (0.3-0.9)
2	8.5 (4.7-16)	4.7 (2.6-9.2)	2.6 (1.4-5.1)	2.0 (1.1-4.0)	1.6 (0.9-3.1)	1.2 (0.7-2.4)	1.0 (0.5-1.9)
3	15 (7.0-27)	8.6 (3.9-16)	4.8 (2.2-8.9)	3.7 (1.7-7.0)	2.9 (1.3-5.4)	2.3 (1.0-4.2)	1.8 (0.8-3.3)
4	25 (12-37)	15 (6.8-23)	8.5 (3.8-13)	6.6 (2.9-10)	5.2 (2.3-8.2)	4.1 (1.8-6.4)	3.2 (1.4-5.0)
5	40 (24-49)	25 (14-32)	15 (7.9-19)	12 (6.2-15)	9.1 (4.8-12)	7.1 (3.8-9.4)	5.6 (2.9-7.4)
6	59	40	24	19	15	12	9.6

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

Age = 60 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	3.9	2.2	1.2	0.9	0.7	0.6	0.4
1	7.0 (5.1-11)	4.0 (2.8-6.2)	2.2 (1.6-3.4)	1.7 (1.2-2.7)	1.3 (0.9-2.1)	1.0 (0.7-1.6)	0.8 (0.6-1.3)
2	12 (7.4-21)	7.1 (4.2-13)	4.0 (2.3-7.2)	3.1 (1.8-5.6)	2.4 (1.4-4.4)	1.9 (1.1-3.4)	1.4 (0.8-2.6)
3	21 (11-34)	12 (6.3-21)	7.0 (3.5-12)	5.5 (2.8-9.7)	4.3 (2.1-7.6)	3.3 (1.7-5.9)	2.6 (1.3-4.6)
4	33 (19-46)	21 (11-30)	12 (6.2-18)	9.5 (4.8-14)	7.4 (3.8-11)	5.8 (2.9-8.9)	4.5 (2.3-7.0)
5	49 (34-58)	33 (21-41)	20 (13-26)	16 (9.9-21)	13 (7.7-16)	9.9 (6.0-13)	7.8 (4.7-10)
6	67	49	32	26	21	17	13

Age = 65 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	6.1	3.5	2.0	1.5	1.2	0.9	0.7
1	10 (7.9-14)	6.1 (4.6-8.5)	3.4 (2.6-4.8)	2.7 (2.0-3.7)	2.1 (1.5-2.9)	1.6 (1.2-2.3)	1.2 (0.9-1.8)
2	17 (11-26)	10 (6.6-17)	6.0 (3.8-9.8)	4.7 (2.9-7.6)	3.6 (2.3-6.0)	2.8 (1.8-4.6)	2.2 (1.4-3.6)
3	27 (16-41)	17 (9.9-27)	10 (5.7-17)	8.0 (4.4-13)	6.2 (3.5-10)	4.8 (2.7-8.1)	3.8 (2.1-6.3)
4	40 (27-54)	27 (17-38)	17 (9.9-24)	13 (7.7-19)	10 (6.0-15)	8.2 (4.7-12)	6.4 (3.6-9.4)
5	56 (44-63)	41 (30-49)	27 (19-33)	21 (15-27)	17 (12-21)	13 (9.4-17)	11 (7.3-13)
6	71	57	41	33	27	22	17

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

Age = 70 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	8.8	5.3	3.1	2.4	1.9	1.4	1.1
1	15 (12-18)	9.5 (7.5-11)	5.6 (4.5-6.5)	4.4 (3.5-5.1)	3.4 (2.7-3.9)	2.6 (2.1-3.0)	2.0 (1.6-2.4)
2	25 (17-33)	16 (11-22)	10 (6.7-13)	7.8 (5.2-10)	6.1 (4.1-8.2)	4.7 (3.1-6.4)	3.7 (2.4-5.0)
3	39 (28-50)	27 (19-38)	17 (12-25)	14 (9.0-20)	11 (7.0-16)	8.4 (5.5-12)	6.5 (4.2-9.7)
4	54 (43-66)	42 (32-55)	29 (22-39)	23 (17-32)	18 (13-26)	15 (11-21)	11 (8.2-16)
5	69 (64-76)	59 (53-67)	45 (39-52)	37 (32-44)	30 (26-36)	24 (21-30)	19 (17-24)
6	79	74	63	55	46	39	31

Age = 75 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	11	7.3	4.5	3.5	2.7	2.1	1.6
1	20 (14-32)	14 (9.8-23)	8.8 (6.3-15)	6.8 (4.9-12)	5.3 (3.8-9.1)	4.1 (2.9-7.1)	3.1 (2.2-5.5)
2	32 (21-48)	24 (15-37)	16 (9.5-26)	13 (7.3-21)	9.9 (5.7-17)	7.7 (4.4-13)	6.0 (3.4-10)
3	47 (31-64)	38 (24-53)	27 (16-41)	22 (13-34)	18 (9.8-28)	14 (7.6-22)	11 (5.9-18)
4	61 (44-74)	54 (37-68)	43 (27-59)	36 (21-50)	29 (17-42)	24 (13-35)	19 (10-28)
5	73 (60-80)	69 (53-77)	61 (42-70)	53 (35-63)	45 (28-55)	38 (23-47)	31 (18-39)
6	81	80	76	70	62	55	47

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

Age = 80 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	12	8.7	5.9	4.5	3.5	2.7	2.0
1	20 (14-33)	15 (11-26)	11 (7.8-19)	8.4 (6.0-15)	6.5 (4.6-12)	5.0 (3.5-8.9)	3.8 (2.7-6.9)
2	30 (20-47)	25 (16-39)	19 (12-30)	15 (8.9-24)	11 (6.9-19)	8.9 (5.3-15)	6.9 (4.0-12)
3	43 (29-58)	37 (23-52)	30 (17-44)	24 (13-37)	19 (10-30)	15 (8.1-24)	12 (6.2-19)
4	56 (38-68)	50 (33-63)	43 (27-56)	36 (21-49)	30 (17-41)	24 (13-34)	19 (10-27)
5	67 (52-74)	63 (47-72)	58 (40-67)	51 (33-60)	43 (27-52)	36 (21-45)	30 (17-37)
6	75	74	71	64	57	50	43

Age = 85 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	11	8.8	6.7	5.1	3.9	2.9	2.2
1	18 (13-30)	15 (10-26)	12 (8.2-21)	9.1 (6.3-16)	7.0 (4.8-13)	5.3 (3.6-9.7)	4.1 (2.7-7.4)
2	28 (18-44)	24 (15-38)	19 (12-32)	15 (9.3-26)	12 (7.1-21)	9.2 (5.4-16)	7.1 (4.1-13)
3	39 (25-54)	35 (22-49)	30 (18-43)	24 (14-36)	19 (11-29)	15 (8.2-24)	12 (6.3-19)
4	51 (34-64)	47 (30-59)	42 (25-54)	35 (20-47)	29 (16-39)	23 (12-33)	19 (9.5-27)
5	62 (47-69)	59 (43-67)	55 (38-64)	48 (31-57)	41 (25-50)	34 (20-43)	28 (16-36)
6	70	69	67	61	54	47	40

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

Age = 90 years

Number of CRFs	BMI kg/m²						
	15	20	25	30	35	40	45
0	9.9	8.1	6.5	4.9	3.7	2.8	2.1
1	16 (11-28)	14 (9.5-24)	11 (7.7-20)	8.7 (5.9-16)	6.6 (4.4-12)	5.0 (3.3-9.2)	3.8 (2.5-7.1)
2	25 (16-40)	22 (14-35)	18 (11-31)	14 (8.7-25)	11 (6.6-20)	8.6 (5.0-15)	6.6 (3.8-12)
3	36 (23-50)	32 (19-46)	28 (16-41)	22 (13-34)	18 (9.8-28)	14 (7.5-22)	11 (5.7-17)
4	47 (31-59)	43 (27-56)	39 (23-51)	33 (18-44)	27 (14-37)	22 (11-30)	17 (8.6-24)
5	56 (43-63)	55 (39-63)	51 (35-60)	44 (29-53)	38 (23-46)	31 (18-40)	26 (14-33)
6	62	64	63	57	50	43	36