Lebanon - The probabilities of a hip fracture in men

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 Lebanon. 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	0.2	0.1	0.1	0.0	0.0	0.0	0.0
1	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.0-0.1)	0.0 (0.0-0.1)	0.0 (0.0-0.1)
2	0.6 (0.3-1.3)	0.4 (0.2-0.8)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.0-0.2)
3	1.1 (0.5-2.2)	0.7 (0.3-1.3)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)
4	2.1 (0.8-3.4)	1.2 (0.5-2.0)	0.7 (0.3-1.2)	0.5 (0.2-0.9)	0.4 (0.2-0.7)	0.3 (0.1-0.5)	0.2 (0.1-0.4)
5	3.6 (1.6-4.7)	2.2 (1.0-2.9)	1.3 (0.6-1.7)	1.0 (0.4-1.3)	0.7 (0.3-1.0)	0.6 (0.3-0.8)	0.4 (0.2-0.6)
6	6.1	3.8	2.2	1.7	1.3	1.0	0.8

FRAX® WHO Fracture Risk Assessment Tool

Ten year probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Lebanon.

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.3	0.2	0.1	0.1	0.1	0.1	0.0
1	0.6 (0.4-1.1)	0.4 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	1.1 (0.6-2.1)	0.7 (0.4-1.3)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.3)
3	1.9 (0.9-3.6)	1.2 (0.5-2.2)	0.7 (0.3-1.3)	0.5 (0.2-1.0)	0.4 (0.2-0.8)	0.3 (0.1-0.6)	0.2 (0.1-0.5)
4	3.4 (1.6-5.4)	2.1 (1.0-3.4)	1.2 (0.6-2.0)	1.0 (0.4-1.5)	0.7 (0.3-1.2)	0.6 (0.3-0.9)	0.4 (0.2-0.7)
5	5.7 (2.9-7.2)	3.6 (1.8-4.7)	2.2 (1.1-2.9)	1.7 (0.9-2.2)	1.3 (0.7-1.7)	1.0 (0.5-1.3)	0.8 (0.4-1.0)
6	9.3	6.1	3.7	2.9	2.2	1.7	1.3

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	0.6	0.4	0.2	0.2	0.1	0.1	0.1
1	1.1 (0.8-1.7)	0.7 (0.5-1.1)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.2 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	1.8 (1.1-3.1)	1.2 (0.7-2.0)	0.7 (0.4-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.7)	0.3 (0.2-0.6)	0.2 (0.1-0.4)
3	3.1 (1.6-5.4)	2.0 (1.0-3.6)	1.3 (0.6-2.2)	1.0 (0.5-1.7)	0.7 (0.4-1.3)	0.6 (0.3-1.0)	0.4 (0.2-0.8)
4	5.2 (2.8-8.1)	3.5 (1.8-5.4)	2.2 (1.1-3.4)	1.7 (0.9-2.6)	1.3 (0.7-2.0)	1.0 (0.5-1.5)	0.8 (0.4-1.2)
5	8.3 (4.8-10)	5.7 (3.3-7.2)	3.7 (2.1-4.7)	2.8 (1.6-3.6)	2.2 (1.3-2.8)	1.7 (1.0-2.1)	1.3 (0.7-1.6)
6	13	9.3	6.1	4.7	3.6	2.8	2.1

Ten year probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Lebanon.

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.1	0.7	0.4	0.3	0.3	0.2	0.2
1	1.8 (1.3-2.6)	1.2 (0.9-1.7)	0.7 (0.6-1.1)	0.6 (0.4-0.8)	0.4 (0.3-0.6)	0.3 (0.3-0.5)	0.3 (0.2-0.4)
2	2.9 (1.8-4.5)	2.0 (1.2-3.1)	1.3 (0.8-2.0)	1.0 (0.6-1.6)	0.7 (0.5-1.2)	0.6 (0.4-0.9)	0.4 (0.3-0.7)
3	4.6 (2.7-7.4)	3.3 (1.9-5.4)	2.1 (1.2-3.6)	1.6 (0.9-2.7)	1.3 (0.7-2.1)	1.0 (0.5-1.6)	0.7 (0.4-1.2)
4	7.3 (4.3-11)	5.3 (3.2-8.0)	3.5 (2.1-5.4)	2.7 (1.6-4.1)	2.1 (1.2-3.2)	1.6 (0.9-2.4)	1.2 (0.7-1.9)
5	11 (7.4-14)	8.4 (5.6-10)	5.8 (3.9-7.1)	4.4 (2.9-5.5)	3.4 (2.2-4.2)	2.6 (1.7-3.2)	2.0 (1.3-2.5)
6	17	13	9.2	7.1	5.5	4.2	3.2

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	1.8	1.3	0.9	0.7	0.5	0.4	0.3
1	3.1 (2.2-3.8)	2.3 (1.7-2.8)	1.5 (1.2-1.8)	1.2 (0.9-1.4)	0.9 (0.7-1.1)	0.7 (0.5-0.8)	0.5 (0.4-0.6)
2	5.1 (3.2-7.8)	3.9 (2.5-5.7)	2.7 (1.8-3.9)	2.1 (1.3-3.0)	1.6 (1.0-2.3)	1.2 (0.8-1.7)	0.9 (0.6-1.3)
3	8.3 (4.8-13)	6.5 (4.0-9.8)	4.7 (3.0-6.8)	3.6 (2.3-5.2)	2.7 (1.7-4.0)	2.1 (1.3-3.1)	1.6 (1.0-2.3)
4	13 (8.1-19)	11 (6.8-15)	7.9 (5.2-12)	6.1 (4.0-9.0)	4.6 (3.0-6.9)	3.5 (2.3-5.3)	2.7 (1.7-4.0)
5	20 (16-26)	17 (13-22)	13 (11-17)	10 (8.1-13)	7.8 (6.2-10)	5.9 (4.7-7.9)	4.5 (3.6-6.0)
6	28	25	21	16	13	9.7	7.5

Ten year probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Lebanon.

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	3.1	2.4	1.8	1.3	1.0	0.8	0.6
1	5.6 (3.6-10)	4.5 (3.0-8.1)	3.3 (2.2-6.0)	2.5 (1.7-4.6)	1.9 (1.3-3.5)	1.5 (1.0-2.7)	1.1 (0.7-2.0)
2	9.6 (5.0-17)	8.0 (4.3-14)	6.1 (3.4-10)	4.7 (2.6-8.1)	3.5 (1.9-6.2)	2.7 (1.5-4.8)	2.0 (1.1-3.6)
3	15 (7.4-26)	13 (6.5-22)	11 (5.4-17)	8.2 (4.1-14)	6.3 (3.1-11)	4.8 (2.3-8.2)	3.6 (1.7-6.3)
4	23 (12-35)	21 (11-31)	17 (9.1-26)	14 (7.0-21)	11 (5.3-16)	8.2 (4.0-13)	6.3 (3.0-9.8)
5	33 (20-42)	30 (18-39)	27 (15-35)	22 (12-29)	17 (9.2-23)	13 (7.0-18)	10 (5.3-14)
6	45	42	38	32	26	21	16

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	5.1	4.3	3.4	2.5	1.9	1.4	1.1
1	8.8 (5.8-16)	7.5 (5.0-14)	6.0 (4.1-11)	4.6 (3.1-8.4)	3.5 (2.3-6.4)	2.6 (1.7-4.9)	2.0 (1.3-3.7)
2	14 (7.9-24)	12 (7.0-22)	10 (6.0-18)	7.9 (4.6-14)	6.0 (3.4-11)	4.6 (2.6-8.4)	3.5 (1.9-6.4)
3	21 (12-33)	19 (10-30)	16 (8.9-26)	13 (6.8-20)	10 (5.1-16)	7.7 (3.9-13)	5.9 (2.9-9.7)
4	30 (17-42)	28 (15-39)	25 (13-35)	20 (10-28)	16 (7.8-23)	12 (5.9-18)	9.5 (4.4-14)
5	41 (26-49)	38 (23-46)	35 (21-43)	29 (17-37)	23 (13-30)	19 (9.9-25)	15 (7.5-20)
6	52	49	46	39	33	27	22

Ten year probability of hip fractures (%) according to BMI, the number of clinical risk factors (CRF) and age in men from Lebanon.

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	8.1	7.1	5.9	4.5	3.4	2.5	1.9
1	13 (9.0-23)	12 (7.9-21)	10 (6.9-18)	7.8 (5.2-14)	6.0 (3.9-11)	4.5 (2.9-8.4)	3.4 (2.2-6.4)
2	20 (12-34)	18 (11-31)	16 (9.5-28)	13 (7.3-22)	9.9 (5.5-18)	7.6 (4.1-14)	5.8 (3.1-11)
3	29 (17-43)	27 (15-40)	24 (14-37)	20 (11-31)	16 (8.1-25)	12 (6.1-20)	9.4 (4.6-16)
4	40 (24-52)	37 (22-50)	34 (20-47)	28 (15-40)	23 (12-33)	18 (9.2-27)	15 (7.0-22)
5	51 (35-59)	48 (32-57)	45 (30-54)	39 (24-47)	32 (19-41)	27 (15-34)	22 (12-28)
6	60	59	57	50	43	37	30

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	13	11	9.7	7.4	5.6	4.2	3.2
1	20 (14-32)	18 (12-29)	16 (11-27)	12 (8.3-21)	9.5 (6.3-17)	7.3 (4.8-13)	5.5 (3.6-10)
2	29 (19-45)	26 (17-41)	24 (15-38)	19 (11-32)	15 (8.7-26)	12 (6.6-21)	9.2 (5.0-17)
3	39 (26-54)	37 (23-51)	34 (21-48)	28 (16-42)	23 (13-35)	18 (9.7-29)	14 (7.4-23)
4	50 (34-62)	48 (31-60)	45 (28-57)	38 (23-51)	32 (18-44)	27 (14-38)	21 (11-31)
5	58 (46-64)	58 (43-65)	56 (40-64)	49 (34-58)	43 (28-52)	37 (22-45)	30 (18-38)
6	62	65	65	60	54	48	41