

**Canada - 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/m<sup>2</sup>), the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Canada. 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 <sup>2</sup> )						
	15	20	25	30	35	40	45
0	0.5	0.3	0.2	0.1	0.1	0.1	0.1
1	1.1 (0.7-2.1)	0.6 (0.4-1.1)	0.3 (0.2-0.6)	0.2 (0.2-0.5)	0.2 (0.1-0.4)	0.1 (0.1-0.3)	0.1 (0.1-0.2)
2	2.1 (1.0-4.4)	1.1 (0.6-2.4)	0.6 (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)
3	3.9 (1.6-7.6)	2.1 (0.9-4.2)	1.1 (0.5-2.3)	0.9 (0.4-1.8)	0.7 (0.3-1.4)	0.5 (0.2-1.1)	0.4 (0.2-0.8)
4	7.1 (2.8-11)	3.9 (1.5-6.3)	2.1 (0.8-3.4)	1.6 (0.6-2.7)	1.3 (0.5-2.1)	1.0 (0.4-1.6)	0.8 (0.3-1.3)
5	12 (5.8-17)	7.0 (3.2-9.4)	3.8 (1.7-5.2)	3.0 (1.3-4.0)	2.3 (1.0-3.1)	1.8 (0.8-2.4)	1.4 (0.6-1.9)
6	21	12	6.7	5.3	4.1	3.2	2.5

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

**Age = 55 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.0	0.5	0.3	0.2	0.2	0.1	0.1
1	1.9 (1.3-3.3)	1.0 (0.7-1.8)	0.6 (0.4-1.0)	0.4 (0.3-0.8)	0.3 (0.2-0.6)	0.3 (0.2-0.5)	0.2 (0.1-0.4)
2	3.5 (1.9-6.9)	1.9 (1.0-3.8)	1.0 (0.6-2.1)	0.8 (0.4-1.6)	0.6 (0.3-1.3)	0.5 (0.3-1.0)	0.4 (0.2-0.8)
3	6.4 (2.9-12)	3.5 (1.6-6.6)	1.9 (0.9-3.6)	1.5 (0.7-2.8)	1.2 (0.5-2.2)	0.9 (0.4-1.7)	0.7 (0.3-1.3)
4	11 (5.1-18)	6.3 (2.8-9.9)	3.5 (1.5-5.5)	2.7 (1.2-4.3)	2.1 (0.9-3.4)	1.6 (0.7-2.6)	1.3 (0.6-2.0)
5	19 (10-25)	11 (5.9-15)	6.1 (3.2-8.2)	4.8 (2.5-6.4)	3.7 (2.0-5.0)	2.9 (1.5-3.9)	2.3 (1.2-3.0)
6	31	19	11	8.3	6.5	5.1	4.0

**Age = 60 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	1.9	1.0	0.6	0.4	0.3	0.3	0.2
1	3.5 (2.5-5.4)	1.9 (1.4-3.0)	1.0 (0.7-1.6)	0.8 (0.6-1.3)	0.6 (0.4-1.0)	0.5 (0.3-0.8)	0.4 (0.3-0.6)
2	6.2 (3.6-11)	3.4 (2.0-6.2)	1.9 (1.1-3.4)	1.5 (0.9-2.7)	1.1 (0.7-2.1)	0.9 (0.5-1.6)	0.7 (0.4-1.3)
3	11 (5.5-19)	6.1 (3.1-11)	3.4 (1.7-6.0)	2.6 (1.3-4.7)	2.0 (1.0-3.7)	1.6 (0.8-2.9)	1.2 (0.6-2.2)
4	18 (9.6-27)	11 (5.4-16)	5.9 (3.0-9.0)	4.6 (2.3-7.1)	3.6 (1.8-5.5)	2.8 (1.4-4.3)	2.2 (1.1-3.4)
5	29 (19-37)	18 (11-23)	10 (6.2-13)	8.0 (4.8-10)	6.2 (3.8-8.2)	4.9 (2.9-6.4)	3.8 (2.3-5.0)
6	45	29	17	13	11	8.3	6.5

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

**Age = 65 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	3.5	2.0	1.1	0.8	0.7	0.5	0.4
1	6.1 (4.6-8.5)	3.5 (2.6-4.8)	1.9 (1.4-2.7)	1.5 (1.1-2.1)	1.2 (0.9-1.6)	0.9 (0.7-1.3)	0.7 (0.5-1.0)
2	10 (6.7-17)	6.0 (3.8-9.8)	3.4 (2.1-5.6)	2.6 (1.6-4.3)	2.0 (1.3-3.4)	1.6 (1.0-2.6)	1.2 (0.8-2.0)
3	17 (10-27)	10 (5.7-17)	5.8 (3.2-9.6)	4.5 (2.5-7.5)	3.5 (1.9-5.9)	2.7 (1.5-4.6)	2.1 (1.2-3.6)
4	27 (17-38)	17 (9.9-24)	9.8 (5.6-14)	7.7 (4.4-11)	6.0 (3.4-8.9)	4.7 (2.6-6.9)	3.6 (2.0-5.4)
5	41 (31-49)	27 (19-33)	16 (11-20)	13 (8.9-16)	10 (7.0-13)	7.9 (5.5-10)	6.2 (4.2-7.9)
6	58	41	26	21	16	13	10

**Age = 70 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	6.5	3.7	2.1	1.6	1.3	1.0	0.8
1	11 (9.1-13)	6.8 (5.4-7.8)	3.9 (3.1-4.5)	3.0 (2.4-3.5)	2.3 (1.9-2.7)	1.8 (1.4-2.1)	1.4 (1.1-1.6)
2	20 (14-26)	12 (8.1-16)	7.0 (4.7-9.2)	5.5 (3.6-7.2)	4.2 (2.8-5.6)	3.3 (2.2-4.4)	2.6 (1.7-3.4)
3	32 (23-44)	21 (14-30)	12 (8.1-18)	9.8 (6.3-14)	7.7 (4.9-11)	6.0 (3.8-8.9)	4.6 (3.0-7.0)
4	48 (38-61)	34 (26-45)	21 (16-30)	17 (13-24)	13 (9.9-19)	11 (7.7-15)	8.3 (6.0-12)
5	66 (60-73)	51 (46-59)	35 (31-41)	29 (25-34)	23 (20-28)	18 (16-22)	14 (12-18)
6	79	70	53	45	37	30	24

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

**Age = 75 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	11	6.9	4.0	3.1	2.4	1.9	1.4
1	20 (15-33)	13 (9.6-22)	7.9 (5.8-13)	6.2 (4.5-10)	4.8 (3.5-8.2)	3.7 (2.7-6.4)	2.9 (2.1-5.0)
2	34 (22-50)	23 (14-37)	15 (8.7-25)	12 (6.8-20)	9.1 (5.3-16)	7.1 (4.1-12)	5.6 (3.2-9.7)
3	51 (34-67)	38 (24-55)	26 (15-40)	21 (12-33)	17 (9.1-27)	13 (7.1-21)	10 (5.5-17)
4	66 (50-78)	56 (38-72)	42 (25-58)	35 (20-50)	29 (16-41)	23 (13-34)	18 (9.8-28)
5	78 (65-84)	73 (56-81)	62 (43-71)	53 (35-63)	45 (29-55)	38 (23-46)	31 (18-38)
6	85	83	79	72	65	56	48

**Age = 80 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	17	11	6.9	5.4	4.2	3.2	2.5
1	28 (21-44)	20 (15-33)	13 (9.6-22)	10 (7.5-17)	7.9 (5.8-14)	6.1 (4.5-11)	4.7 (3.4-8.4)
2	42 (29-60)	32 (21-49)	22 (14-37)	18 (11-30)	14 (8.7-24)	11 (6.7-19)	8.7 (5.2-15)
3	56 (40-70)	47 (31-64)	36 (21-54)	30 (17-46)	24 (13-38)	19 (10-31)	15 (8.0-25)
4	68 (52-78)	63 (45-74)	53 (34-67)	45 (27-59)	38 (22-51)	31 (17-43)	25 (14-35)
5	77 (65-82)	74 (60-81)	69 (51-77)	62 (43-71)	54 (36-63)	46 (29-55)	39 (23-47)
6	83	82	80	76	70	63	55

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

**Age = 85 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	20	15	9.8	7.6	5.9	4.5	3.5
1	32 (24-48)	25 (18-40)	18 (13-29)	14 (10-24)	11 (7.8-19)	8.4 (6.0-15)	6.5 (4.6-12)
2	45 (33-63)	38 (26-56)	29 (19-45)	23 (15-37)	19 (12-30)	15 (9.0-24)	12 (7.0-19)
3	58 (43-72)	52 (36-67)	44 (27-61)	36 (22-53)	30 (17-45)	24 (14-38)	19 (11-31)
4	69 (54-78)	65 (48-76)	59 (41-71)	52 (34-65)	44 (27-57)	37 (22-50)	31 (17-42)
5	76 (66-81)	75 (62-81)	72 (56-79)	66 (49-74)	59 (41-68)	52 (34-61)	44 (28-53)
6	80	81	81	77	72	66	59

**Age = 90 years**

Number of CRFs	BMI (kg/m <sup>2</sup> )						
	15	20	25	30	35	40	45
0	19	15	10	7.9	6.1	4.7	3.6
1	30 (23-47)	24 (18-39)	18 (13-30)	14 (10-24)	11 (7.9-19)	8.5 (6.0-15)	6.6 (4.6-12)
2	43 (31-61)	37 (25-54)	29 (19-45)	24 (15-37)	19 (12-31)	15 (9.0-25)	12 (6.9-19)
3	56 (41-70)	50 (35-65)	43 (27-59)	36 (22-52)	30 (17-44)	24 (14-37)	19 (10-30)
4	66 (52-76)	63 (46-74)	58 (40-70)	50 (33-63)	43 (26-56)	36 (21-48)	30 (17-41)
5	73 (64-77)	73 (60-78)	70 (55-77)	64 (47-72)	57 (40-66)	50 (33-59)	43 (26-52)
6	75	78	79	75	70	64	57