Argentina - The probabilities of a major osteoporotic fracture in women

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 Argentina. 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	1.2	1.1	1.0	0.9	0.8	0.7	0.6
1	2.0 (1.4-3.0)	1.8 (1.2-2.5)	1.6 (1.1-2.3)	1.4 (1.0-2.0)	1.2 (0.8-1.7)	1.1 (0.7-1.5)	0.9 (0.6-1.3)
2	3.3 (1.8-5.3)	2.8 (1.5-4.7)	2.5 (1.3-4.4)	2.2 (1.2-3.8)	1.9 (1.0-3.4)	1.7 (0.9-2.9)	1.5 (0.8-2.6)
3	5.3 (2.6-9.1)	4.4 (2.1-7.9)	3.9 (1.9-7.2)	3.4 (1.6-6.3)	2.9 (1.4-5.5)	2.6 (1.2-4.8)	2.2 (1.0-4.2)
4	8.4 (4.5-13)	6.8 (3.7-11)	6.0 (3.2-9.9)	5.2 (2.7-8.6)	4.5 (2.3-7.5)	3.9 (2.0-6.5)	3.4 (1.7-5.7)
5	13 (7.9-17)	11 (6.6-14)	9.0 (5.9-12)	7.8 (5.1-10)	6.7 (4.5-9.1)	5.8 (3.9-7.9)	5.0 (3.4-6.9)
6	21	16	13	12	9.9	8.6	7.4

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

Age = 55 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	1.9	1.6	1.5	1.3	1.1	1.0	0.9
1	3.1 (2.2-4.6)	2.6 (1.8-3.7)	2.4 (1.6-3.3)	2.1 (1.4-2.8)	1.8 (1.2-2.4)	1.6 (1.1-2.1)	1.4 (0.9-1.8)
2	5.1 (2.9-8.2)	4.2 (2.3-6.8)	3.7 (2.0-6.2)	3.2 (1.7-5.4)	2.8 (1.5-4.7)	2.4 (1.3-4.1)	2.1 (1.1-3.6)
3	8.2 (4.4-13)	6.6 (3.4-11)	5.7 (2.9-10)	4.9 (2.4-8.8)	4.3 (2.1-7.7)	3.7 (1.8-6.7)	3.2 (1.5-5.8)
4	13 (7.2-19)	10 (6.0-16)	8.7 (4.9-14)	7.5 (4.2-12)	6.4 (3.6-10)	5.6 (3.0-9.1)	4.8 (2.6-7.9)
5	20 (13-25)	16 (10-20)	13 (8.8-17)	11 (7.6-15)	9.6 (6.5-13)	8.3 (5.6-11)	7.1 (4.9-9.6)
6	30	23	19	17	14	12	11

Age = 60 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	4.2	3.5	3.2	2.8	2.4	2.1	1.8
1	6.7 (4.9-9.5)	5.6 (4.0-7.6)	5.0 (3.5-6.6)	4.3 (3.0-5.7)	3.7 (2.6-4.9)	3.2 (2.2-4.3)	2.8 (1.9-3.7)
2	11 (6.6-16)	8.8 (5.1-13)	7.7 (4.3-12)	6.6 (3.7-11)	5.7 (3.2-9.3)	4.9 (2.7-8.1)	4.3 (2.3-7.1)
3	17 (10-26)	14 (7.6-22)	12 (6.2-20)	10 (5.3-17)	8.6 (4.5-15)	7.5 (3.8-13)	6.4 (3.3-11)
4	26 (16-36)	20 (13-30)	17 (11-26)	15 (9.0-23)	13 (7.6-20)	11 (6.5-18)	9.6 (5.5-15)
5	37 (26-45)	30 (21-37)	25 (18-32)	22 (16-28)	19 (13-25)	16 (12-21)	14 (10-19)
6	52	43	36	31	27	23	20

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

Age = 65 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	8.3	6.9	6.1	5.2	4.5	3.9	3.4
1	13 (9.9-17)	11 (7.9-14)	9.3 (6.7-12)	8.0 (5.7-10)	6.9 (4.9-8.9)	6.0 (4.2-7.7)	5.2 (3.6-6.6)
2	20 (13-28)	16 (10-23)	14 (8.5-21)	12 (7.2-19)	10 (6.1-16)	9.0 (5.2-14)	7.8 (4.5-12)
3	30 (20-41)	24 (15-36)	21 (12-33)	18 (10-29)	16 (8.7-25)	13 (7.4-22)	12 (6.3-19)
4	42 (29-55)	35 (24-48)	30 (20-43)	26 (17-38)	23 (15-34)	20 (12-30)	17 (10-26)
5	56 (45-65)	48 (38-57)	42 (32-51)	36 (28-45)	32 (24-40)	28 (21-35)	24 (18-31)
6	70	63	55	49	44	38	34

Age = 70 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	12	9.7	8.3	7.1	6.0	5.2	4.5
1	19 (15-23)	15 (11-18)	12 (9.3-15)	10 (7.9-13)	9.0 (6.7-11)	7.6 (5.7-9.8)	6.5 (4.8-8.4)
2	29 (20-38)	22 (15-30)	18 (12-25)	16 (10-21)	13 (8.5-18)	11 (7.2-16)	9.6 (6.1-14)
3	42 (30-55)	33 (23-46)	27 (17-39)	23 (15-34)	19 (12-29)	17 (10-25)	14 (8.8-21)
4	57 (46-70)	47 (36-61)	39 (29-52)	33 (24-46)	28 (20-40)	24 (17-34)	21 (15-30)
5	72 (66-79)	63 (57-72)	53 (46-63)	47 (40-56)	40 (34-49)	35 (29-43)	30 (24-37)
6	82	78	69	62	55	48	42

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

Age = 75 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	14	11	9.2	7.7	6.5	5.5	4.7
1	23 (17-33)	18 (13-24)	14 (11-18)	12 (8.8-14)	9.9 (7.4-12)	8.3 (6.1-9.9)	7.0 (5.2-8.5)
2	35 (23-50)	28 (18-39)	22 (14-30)	18 (12-25)	15 (9.6-20)	13 (8.0-17)	10 (6.7-14)
3	50 (35-66)	42 (27-57)	33 (21-46)	28 (17-40)	23 (14-33)	19 (12-28)	16 (9.9-23)
4	65 (49-77)	58 (41-72)	48 (33-62)	41 (28-55)	34 (23-47)	29 (19-40)	24 (16-34)
5	77 (65-83)	72 (59-80)	64 (51-73)	57 (44-66)	49 (38-59)	42 (32-51)	36 (27-44)
6	84	83	79	73	66	58	51

Age = 80 years

Number of CRFs	BMI (kg/m²)						
	15	**20**	**25**	**30**	**35**	**40**	**45**
0	17	14	12	9.9	8.3	6.9	5.8
1	26 (19-38)	21 (16-30)	18 (13-23)	15 (11-19)	12 (9.1-16)	10 (7.6-13)	8.5 (6.3-10)
2	38 (26-53)	32 (22-44)	26 (18-36)	22 (15-30)	18 (12-25)	15 (9.9-21)	13 (8.2-17)
3	51 (36-65)	45 (32-59)	38 (26-51)	32 (22-44)	27 (18-37)	22 (15-31)	19 (12-26)
4	63 (48-74)	59 (44-70)	52 (38-65)	45 (33-58)	38 (27-50)	32 (23-43)	27 (19-37)
5	74 (61-80)	71 (57-78)	66 (53-74)	59 (46-68)	52 (39-61)	45 (33-54)	38 (28-47)
6	81	80	77	72	66	59	52

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

Age = 85 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	19	17	16	13	11	9.2	7.7
1	28 (20-40)	25 (18-35)	23 (17-30)	19 (14-24)	16 (12-20)	13 (9.5-17)	11 (7.8-13)
2	39 (27-54)	35 (24-49)	32 (22-42)	27 (18-36)	23 (15-30)	19 (12-25)	16 (10-21)
3	51 (36-65)	47 (33-61)	44 (31-56)	37 (25-49)	32 (21-42)	27 (17-36)	22 (14-30)
4	62 (47-73)	59 (44-70)	56 (42-67)	49 (36-61)	43 (30-54)	36 (25-47)	31 (21-41)
5	72 (60-77)	70 (57-77)	67 (55-75)	61 (49-69)	55 (42-63)	48 (36-57)	41 (31-50)
6	77	78	76	72	66	60	53

Age = 90 years

Number of CRFs	BMI (kg/m²)						
	15	20	25	30	35	40	45
0	19	18	18	15	12	10	8.5
1	28 (21-41)	26 (19-37)	25 (18-33)	21 (15-27)	17 (13-23)	14 (10-18)	12 (8.4-15)
2	39 (27-54)	36 (25-50)	34 (24-46)	29 (20-39)	24 (16-33)	20 (13-28)	17 (11-23)
3	50 (36-64)	47 (33-61)	45 (31-58)	39 (26-52)	33 (22-45)	28 (18-39)	23 (15-33)
4	61 (47-71)	59 (44-70)	56 (43-67)	50 (37-61)	44 (31-55)	37 (26-48)	32 (21-42)
5	69 (58-74)	68 (57-75)	67 (55-74)	61 (49-69)	55 (43-63)	48 (37-57)	42 (31-51)
6	72	75	75	71	65	59	53