

Colombia - 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 Colombia. 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 ²) | | | | | | |
|----------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 1.5 | 1.3 | 1.3 | 1.1 | 1.0 | 0.8 | 0.7 |
| 1 | 2.4 (1.7-3.7) | 2.1 (1.4-3.1) | 2.0 (1.3-2.8) | 1.7 (1.2-2.4) | 1.5 (1.0-2.1) | 1.3 (0.9-1.8) | 1.1 (0.8-1.6) |
| 2 | 3.9 (2.1-6.5) | 3.4 (1.8-5.7) | 3.1 (1.6-5.3) | 2.7 (1.4-4.6) | 2.3 (1.2-4.0) | 2.0 (1.1-3.5) | 1.8 (0.9-3.1) |
| 3 | 6.4 (3.2-11) | 5.3 (2.6-9.4) | 4.7 (2.3-8.7) | 4.1 (1.9-7.5) | 3.6 (1.7-6.6) | 3.1 (1.5-5.7) | 2.7 (1.3-5.0) |
| 4 | 10 (5.4-16) | 8.2 (4.5-13) | 7.2 (3.8-12) | 6.2 (3.3-10) | 5.4 (2.8-8.9) | 4.7 (2.4-7.8) | 4.0 (2.1-6.8) |
| 5 | 16 (9.3-20) | 13 (7.9-17) | 11 (7.1-14) | 9.3 (6.1-13) | 8.0 (5.3-11) | 7.0 (4.6-9.4) | 6.0 (4.0-8.2) |
| 6 | 24 | 19 | 16 | 14 | 12 | 10 | 8.9 |

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

Age = 55 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 2.7 | 2.4 | 2.2 | 1.9 | 1.7 | 1.5 | 1.3 |
| 1 | 4.4 (3.1-6.4) | 3.8 (2.6-5.3) | 3.5 (2.4-4.7) | 3.0 (2.0-4.1) | 2.6 (1.8-3.5) | 2.3 (1.5-3.1) | 2.0 (1.3-2.7) |
| 2 | 7.0 (4.0-11) | 6.0 (3.3-9.6) | 5.4 (2.9-9.0) | 4.6 (2.5-7.8) | 4.0 (2.2-6.8) | 3.5 (1.9-6.0) | 3.0 (1.6-5.2) |
| 3 | 11 (6.1-18) | 9.2 (4.8-16) | 8.2 (4.1-14) | 7.1 (3.5-13) | 6.1 (3.0-11) | 5.3 (2.6-9.6) | 4.6 (2.2-8.4) |
| 4 | 17 (9.9-26) | 14 (8.3-22) | 12 (6.9-20) | 11 (5.9-17) | 9.2 (5.1-15) | 7.9 (4.3-13) | 6.9 (3.7-11) |
| 5 | 26 (17-33) | 21 (14-27) | 18 (12-24) | 16 (11-21) | 14 (9.3-18) | 12 (8.1-16) | 10 (7.0-14) |
| 6 | 38 | 31 | 26 | 23 | 20 | 17 | 15 |

Age = 60 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 3.9 | 3.3 | 3.1 | 2.6 | 2.3 | 2.0 | 1.7 |
| 1 | 6.2 (4.5-8.8) | 5.3 (3.7-7.2) | 4.8 (3.3-6.3) | 4.1 (2.8-5.5) | 3.6 (2.4-4.7) | 3.1 (2.1-4.1) | 2.7 (1.8-3.5) |
| 2 | 9.9 (6.0-15) | 8.2 (4.8-13) | 7.3 (4.1-12) | 6.3 (3.5-10) | 5.4 (3.0-9.0) | 4.7 (2.6-7.8) | 4.1 (2.2-6.8) |
| 3 | 15 (9.2-24) | 13 (7.1-21) | 11 (5.9-19) | 9.5 (5.0-16) | 8.2 (4.3-14) | 7.1 (3.6-12) | 6.1 (3.1-11) |
| 4 | 23 (14-33) | 19 (12-28) | 16 (10-25) | 14 (8.4-22) | 12 (7.2-19) | 11 (6.1-17) | 9.1 (5.2-15) |
| 5 | 34 (24-42) | 28 (20-35) | 24 (17-31) | 21 (15-27) | 18 (13-23) | 15 (11-20) | 13 (9.5-18) |
| 6 | 48 | 40 | 34 | 29 | 26 | 22 | 19 |

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

Age = 65 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 4.8 | 4.0 | 3.5 | 3.0 | 2.6 | 2.2 | 1.9 |
| 1 | 7.6 (5.7-10) | 6.2 (4.5-8.2) | 5.4 (3.9-7.1) | 4.7 (3.3-6.0) | 4.0 (2.8-5.2) | 3.4 (2.4-4.4) | 3.0 (2.1-3.8) |
| 2 | 12 (7.7-17) | 9.7 (6.0-14) | 8.3 (4.9-13) | 7.1 (4.2-11) | 6.1 (3.5-9.6) | 5.2 (3.0-8.4) | 4.5 (2.6-7.3) |
| 3 | 18 (12-26) | 15 (9.1-22) | 13 (7.2-20) | 11 (6.0-18) | 9.2 (5.1-15) | 7.8 (4.3-13) | 6.7 (3.6-12) |
| 4 | 27 (18-37) | 22 (14-31) | 18 (12-28) | 16 (10-24) | 14 (8.6-21) | 12 (7.2-18) | 9.9 (6.1-16) |
| 5 | 38 (29-46) | 32 (24-39) | 27 (20-34) | 23 (17-29) | 20 (15-25) | 17 (12-22) | 14 (11-19) |
| 6 | 52 | 44 | 37 | 32 | 28 | 24 | 21 |

Age = 70 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 5.8 | 4.7 | 4.0 | 3.4 | 2.9 | 2.5 | 2.1 |
| 1 | 9.2 (6.9-11) | 7.3 (5.5-9.1) | 6.1 (4.5-7.7) | 5.1 (3.8-6.5) | 4.3 (3.2-5.6) | 3.7 (2.7-4.7) | 3.1 (2.3-4.0) |
| 2 | 15 (9.6-20) | 11 (7.4-16) | 9.2 (5.9-13) | 7.7 (4.9-11) | 6.5 (4.1-9.1) | 5.5 (3.4-7.7) | 4.6 (2.9-6.5) |
| 3 | 23 (15-32) | 18 (11-26) | 14 (8.8-21) | 12 (7.3-18) | 9.8 (6.0-15) | 8.2 (5.0-13) | 6.9 (4.2-11) |
| 4 | 34 (24-45) | 27 (19-37) | 21 (15-30) | 18 (12-25) | 15 (10-21) | 12 (8.4-18) | 10 (7.0-15) |
| 5 | 47 (41-56) | 39 (33-47) | 31 (26-38) | 26 (21-33) | 22 (18-28) | 18 (15-23) | 15 (12-20) |
| 6 | 62 | 54 | 44 | 38 | 32 | 27 | 23 |

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

Age = 75 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 6.7 | 5.5 | 4.7 | 3.9 | 3.3 | 2.8 | 2.4 |
| 1 | 11 (7.9-17) | 8.8 (6.4-12) | 7.2 (5.3-8.8) | 6.0 (4.4-7.2) | 5.0 (3.6-6.0) | 4.2 (3.0-5.1) | 3.5 (2.5-4.3) |
| 2 | 18 (11-28) | 14 (8.7-21) | 11 (7.0-16) | 9.2 (5.8-13) | 7.6 (4.8-10) | 6.3 (3.9-8.6) | 5.2 (3.3-7.1) |
| 3 | 28 (17-41) | 22 (14-33) | 17 (11-26) | 14 (8.7-21) | 12 (7.2-18) | 9.7 (5.9-14) | 7.9 (4.9-12) |
| 4 | 41 (26-55) | 34 (22-47) | 27 (17-38) | 22 (14-32) | 18 (12-26) | 15 (9.6-22) | 12 (7.8-18) |
| 5 | 56 (41-65) | 49 (35-59) | 40 (29-49) | 33 (24-41) | 28 (20-35) | 23 (17-29) | 19 (14-24) |
| 6 | 69 | 64 | 56 | 48 | 41 | 34 | 28 |

Age = 80 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|--------------|--------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 7.0 | 6.0 | 5.2 | 4.3 | 3.6 | 3.0 | 2.5 |
| 1 | 11 (8.0-18) | 9.4 (6.8-14) | 7.9 (5.8-10) | 6.5 (4.8-8.4) | 5.4 (3.9-6.8) | 4.4 (3.2-5.5) | 3.7 (2.7-4.5) |
| 2 | 18 (11-28) | 15 (9.3-22) | 12 (7.8-17) | 9.9 (6.3-14) | 8.1 (5.2-11) | 6.7 (4.2-9.0) | 5.5 (3.5-7.3) |
| 3 | 27 (16-38) | 23 (14-33) | 19 (12-26) | 15 (9.7-21) | 12 (7.9-17) | 10 (6.4-14) | 8.2 (5.2-12) |
| 4 | 38 (24-50) | 33 (21-44) | 28 (19-38) | 23 (15-31) | 19 (12-26) | 15 (9.9-21) | 12 (8.0-17) |
| 5 | 50 (35-60) | 46 (32-55) | 39 (28-48) | 33 (23-41) | 27 (19-34) | 22 (16-28) | 18 (13-23) |
| 6 | 63 | 59 | 53 | 46 | 39 | 33 | 27 |

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

Age = 85 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|--------------|--------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 6.8 | 6.1 | 5.7 | 4.7 | 3.9 | 3.2 | 2.6 |
| 1 | 11 (7.5-17) | 9.6 (6.7-14) | 8.6 (6.1-12) | 7.0 (5.0-9.4) | 5.7 (4.0-7.6) | 4.7 (3.3-6.0) | 3.8 (2.7-4.8) |
| 2 | 17 (11-27) | 15 (9.3-23) | 13 (8.3-18) | 11 (6.7-15) | 8.6 (5.4-12) | 6.9 (4.3-9.7) | 5.6 (3.5-7.9) |
| 3 | 25 (15-37) | 22 (13-32) | 19 (12-27) | 16 (9.7-22) | 13 (7.8-18) | 10 (6.2-15) | 8.3 (5.0-12) |
| 4 | 35 (22-47) | 32 (20-42) | 28 (18-38) | 23 (15-32) | 19 (12-26) | 15 (9.5-22) | 12 (7.6-18) |
| 5 | 47 (32-56) | 43 (29-52) | 39 (27-48) | 33 (22-41) | 27 (18-35) | 22 (15-29) | 18 (12-24) |
| 6 | 59 | 55 | 52 | 45 | 38 | 32 | 26 |

Age = 90 years

| Number of CRFs | BMI (kg/m ²) | | | | | | |
|----------------|--------------------------|--------------|--------------|---------------|---------------|---------------|---------------|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 6.3 | 6.1 | 6.2 | 5.1 | 4.2 | 3.4 | 2.8 |
| 1 | 10 (6.9-16) | 9.3 (6.4-14) | 9.0 (6.3-12) | 7.4 (5.1-9.7) | 6.0 (4.1-7.8) | 4.9 (3.3-6.2) | 4.0 (2.7-5.0) |
| 2 | 16 (9.6-25) | 14 (8.8-22) | 13 (8.3-19) | 11 (6.7-15) | 8.7 (5.4-12) | 7.0 (4.4-10) | 5.7 (3.5-8.1) |
| 3 | 23 (14-35) | 21 (12-31) | 19 (12-28) | 16 (9.2-23) | 13 (7.4-19) | 10 (5.9-15) | 8.2 (4.7-12) |
| 4 | 33 (20-44) | 30 (18-40) | 27 (17-37) | 22 (14-31) | 18 (11-25) | 15 (9.0-21) | 12 (7.2-17) |
| 5 | 44 (30-53) | 41 (27-50) | 37 (26-46) | 31 (21-39) | 26 (17-33) | 21 (14-27) | 17 (11-22) |
| 6 | 56 | 53 | 49 | 42 | 36 | 30 | 24 |