

Colombia - The probabilities of a hip fracture in women

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD , 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.

Note that the BMI is set at 24 kg/m².

Age = 50 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | | |
|----------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 | |
| 0 | 6.0 | 3.1 | 1.6 | 0.8 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | |
| 1 | 9.5 (6.3-12) | 5.0 (3.3-6.5) | 2.6 (1.7-3.4) | 1.3 (0.9-1.7) | 0.7 (0.4-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) | 0.0 (0.0-0.0) | 0.0 (0.0-0.0) | |
| 2 | 15 (8.9-22) | 7.9 (4.6-12) | 4.1 (2.4-6.2) | 2.1 (1.2-3.2) | 1.1 (0.6-1.7) | 0.6 (0.3-0.9) | 0.3 (0.2-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) | 0.0 (0.0-0.1) | 0.0 (0.0-0.0) | |
| 3 | 22 (13-34) | 12 (7.0-19) | 6.4 (3.6-10) | 3.3 (1.9-5.5) | 1.7 (1.0-2.8) | 0.9 (0.5-1.5) | 0.5 (0.3-0.8) | 0.2 (0.1-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) | 0.0 (0.0-0.1) | |
| 4 | 33 (22-47) | 18 (12-28) | 9.9 (6.2-16) | 5.2 (3.2-8.3) | 2.7 (1.6-4.3) | 1.4 (0.8-2.2) | 0.7 (0.4-1.1) | 0.4 (0.2-0.6) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) | |
| 5 | 46 (36-59) | 27 (21-37) | 15 (11-21) | 8.0 (5.9-12) | 4.2 (3.0-6.1) | 2.2 (1.6-3.1) | 1.1 (0.8-1.6) | 0.6 (0.4-0.8) | 0.3 (0.2-0.5) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | |
| 6 | 61 | 39 | 22 | 12 | 6.4 | 3.3 | 1.7 | 0.9 | 0.5 | 0.3 | 0.1 | |

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

Age = 55 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 7.7 | 4.2 | 2.3 | 1.2 | 0.7 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1 | 12 (8.1-15) | 6.6 (4.5-8.2) | 3.6 (2.4-4.5) | 2.0 (1.3-2.4) | 1.1 (0.7-1.3) | 0.6 (0.4-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.1 (0.0-0.1) | 0.0 (0.0-0.0) |
| 2 | 18 (11-25) | 10 (6.3-15) | 5.7 (3.4-8.2) | 3.1 (1.9-4.5) | 1.7 (1.0-2.4) | 0.9 (0.5-1.3) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) |
| 3 | 27 (17-39) | 16 (9.4-24) | 8.7 (5.2-13) | 4.8 (2.8-7.5) | 2.6 (1.5-4.1) | 1.4 (0.8-2.2) | 0.8 (0.4-1.2) | 0.4 (0.2-0.7) | 0.2 (0.1-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |
| 4 | 38 (27-52) | 23 (16-33) | 13 (8.7-20) | 7.3 (4.8-11) | 4.0 (2.6-6.2) | 2.2 (1.4-3.4) | 1.2 (0.8-1.8) | 0.7 (0.4-1.0) | 0.4 (0.2-0.6) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 5 | 51 (43-64) | 33 (27-44) | 19 (15-27) | 11 (8.6-16) | 6.1 (4.8-8.7) | 3.3 (2.6-4.8) | 1.8 (1.4-2.6) | 1.0 (0.8-1.5) | 0.6 (0.4-0.8) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 6 | 66 | 45 | 28 | 16 | 9.1 | 5.0 | 2.7 | 1.5 | 0.9 | 0.5 | 0.3 |

Age = 60 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 8.4 | 4.8 | 2.7 | 1.5 | 0.9 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1 | 13 (8.8-15) | 7.4 (5.0-8.6) | 4.2 (2.8-4.9) | 2.4 (1.6-2.8) | 1.3 (0.9-1.6) | 0.7 (0.5-0.9) | 0.4 (0.3-0.5) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) |
| 2 | 19 (12-25) | 11 (7.1-15) | 6.4 (4.0-8.8) | 3.6 (2.3-5.0) | 2.0 (1.3-2.8) | 1.1 (0.7-1.6) | 0.6 (0.4-0.9) | 0.4 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |
| 3 | 27 (18-38) | 17 (11-24) | 9.7 (6.1-14) | 5.5 (3.4-8.3) | 3.1 (1.9-4.7) | 1.8 (1.1-2.7) | 1.0 (0.6-1.5) | 0.6 (0.4-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 4 | 38 (29-51) | 24 (17-34) | 14 (10-21) | 8.3 (5.8-12) | 4.7 (3.3-7.1) | 2.7 (1.8-4.1) | 1.5 (1.0-2.3) | 0.9 (0.6-1.4) | 0.5 (0.4-0.8) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 5 | 51 (45-63) | 34 (29-44) | 21 (18-28) | 12 (10-17) | 7.1 (5.9-10) | 4.0 (3.3-5.7) | 2.3 (1.9-3.3) | 1.3 (1.1-1.9) | 0.8 (0.6-1.1) | 0.5 (0.4-0.7) | 0.3 (0.2-0.4) |
| 6 | 65 | 46 | 29 | 18 | 10 | 6.0 | 3.5 | 2.0 | 1.2 | 0.7 | 0.4 |

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

Age = 65 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 8.4 | 5.0 | 2.9 | 1.7 | 1.0 | 0.6 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1 | 12 (8.8-15) | 7.5 (5.2-8.8) | 4.4 (3.1-5.3) | 2.6 (1.8-3.1) | 1.5 (1.0-1.8) | 0.9 (0.6-1.1) | 0.5 (0.4-0.6) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.1 (0.1-0.1) |
| 2 | 18 (12-23) | 11 (7.3-14) | 6.6 (4.3-8.6) | 3.9 (2.5-5.1) | 2.3 (1.5-3.0) | 1.3 (0.9-1.8) | 0.8 (0.5-1.1) | 0.5 (0.3-0.6) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) |
| 3 | 26 (18-35) | 16 (11-22) | 9.8 (6.5-14) | 5.8 (3.9-8.4) | 3.4 (2.3-5.0) | 2.0 (1.3-2.9) | 1.2 (0.8-1.8) | 0.7 (0.5-1.1) | 0.4 (0.3-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) |
| 4 | 36 (28-47) | 23 (18-32) | 14 (11-20) | 8.6 (6.4-12) | 5.1 (3.8-7.5) | 3.0 (2.2-4.4) | 1.8 (1.3-2.7) | 1.1 (0.8-1.6) | 0.7 (0.5-1.0) | 0.4 (0.3-0.6) | 0.2 (0.2-0.4) |
| 5 | 47 (42-58) | 32 (28-41) | 20 (17-27) | 13 (10-17) | 7.5 (6.2-10) | 4.5 (3.7-6.2) | 2.7 (2.2-3.8) | 1.6 (1.3-2.3) | 1.0 (0.8-1.4) | 0.6 (0.5-0.9) | 0.4 (0.3-0.5) |
| 6 | 60 | 43 | 28 | 18 | 11 | 6.5 | 4.0 | 2.4 | 1.5 | 0.9 | 0.5 |

Age = 70 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 8.2 | 5.1 | 3.1 | 1.9 | 1.2 | 0.7 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 |
| 1 | 13 (11-17) | 8.3 (7.1-11) | 5.2 (4.4-6.5) | 3.2 (2.7-4.0) | 1.9 (1.6-2.5) | 1.2 (1.0-1.5) | 0.7 (0.6-1.0) | 0.5 (0.4-0.6) | 0.3 (0.3-0.4) | 0.2 (0.2-0.2) | 0.1 (0.1-0.2) |
| 2 | 21 (17-27) | 13 (11-18) | 8.4 (6.6-11) | 5.2 (4.1-7.1) | 3.2 (2.5-4.4) | 2.0 (1.5-2.7) | 1.3 (1.0-1.7) | 0.8 (0.6-1.1) | 0.5 (0.4-0.7) | 0.3 (0.2-0.4) | 0.2 (0.2-0.3) |
| 3 | 32 (25-39) | 21 (16-27) | 14 (10-17) | 8.5 (6.2-11) | 5.3 (3.8-7.0) | 3.3 (2.4-4.4) | 2.1 (1.5-2.8) | 1.3 (0.9-1.8) | 0.8 (0.6-1.1) | 0.5 (0.4-0.7) | 0.3 (0.2-0.5) |
| 4 | 45 (36-52) | 32 (24-37) | 21 (16-25) | 14 (10-17) | 8.6 (6.2-11) | 5.4 (3.9-6.7) | 3.4 (2.5-4.3) | 2.2 (1.6-2.7) | 1.4 (1.0-1.7) | 0.9 (0.6-1.1) | 0.5 (0.4-0.7) |
| 5 | 60 (52-64) | 45 (38-50) | 32 (26-36) | 21 (17-24) | 14 (11-16) | 8.7 (6.8-10) | 5.6 (4.3-6.5) | 3.6 (2.8-4.1) | 2.3 (1.8-2.6) | 1.4 (1.1-1.7) | 0.9 (0.7-1.1) |
| 6 | 73 | 60 | 45 | 32 | 21 | 14 | 9.1 | 5.8 | 3.7 | 2.4 | 1.5 |

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

Age = 75 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 7.5 | 4.8 | 3.1 | 2.0 | 1.3 | 0.8 | 0.5 | 0.4 | 0.2 | 0.2 | 0.1 |
| 1 | 14 (10-28) | 9.3 (6.8-19) | 6.1 (4.4-13) | 3.9 (2.8-8.3) | 2.5 (1.8-5.4) | 1.7 (1.2-3.6) | 1.1 (0.8-2.4) | 0.7 (0.5-1.6) | 0.5 (0.3-1.0) | 0.3 (0.2-0.7) | 0.2 (0.1-0.4) |
| 2 | 24 (15-42) | 16 (9.5-30) | 11 (6.2-21) | 7.3 (4.0-14) | 4.7 (2.5-9.2) | 3.1 (1.7-6.2) | 2.1 (1.1-4.1) | 1.4 (0.7-2.8) | 0.9 (0.5-1.8) | 0.6 (0.3-1.2) | 0.4 (0.2-0.8) |
| 3 | 37 (21-54) | 27 (14-41) | 19 (9.3-30) | 13 (6.0-21) | 8.4 (3.9-14) | 5.6 (2.5-9.5) | 3.8 (1.7-6.5) | 2.5 (1.1-4.3) | 1.7 (0.7-2.9) | 1.1 (0.5-1.9) | 0.7 (0.3-1.3) |
| 4 | 53 (30-65) | 41 (21-53) | 30 (14-40) | 21 (9.4-29) | 14 (6.1-20) | 9.8 (4.1-14) | 6.6 (2.7-9.6) | 4.5 (1.8-6.5) | 3.0 (1.2-4.4) | 2.0 (0.8-2.9) | 1.3 (0.5-2.0) |
| 5 | 68 (44-74) | 57 (32-63) | 45 (23-51) | 33 (15-38) | 23 (10-27) | 16 (6.9-19) | 11 (4.6-13) | 7.6 (3.1-9.2) | 5.1 (2.1-6.2) | 3.4 (1.4-4.2) | 2.3 (0.9-2.8) |
| 6 | 79 | 72 | 61 | 48 | 36 | 26 | 18 | 13 | 8.7 | 5.9 | 3.9 |

Age = 80 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 6.3 | 4.3 | 2.9 | 1.9 | 1.3 | 0.9 | 0.6 | 0.4 | 0.3 | 0.2 | 0.1 |
| 1 | 12 (8.2-24) | 8.0 (5.6-17) | 5.5 (3.8-12) | 3.7 (2.5-8.1) | 2.6 (1.7-5.6) | 1.8 (1.2-3.9) | 1.2 (0.8-2.7) | 0.9 (0.6-1.9) | 0.6 (0.4-1.3) | 0.4 (0.3-0.9) | 0.3 (0.2-0.6) |
| 2 | 20 (11-35) | 14 (7.8-26) | 9.8 (5.3-19) | 6.7 (3.6-13) | 4.7 (2.4-9.2) | 3.3 (1.7-6.5) | 2.3 (1.2-4.6) | 1.6 (0.8-3.2) | 1.1 (0.6-2.3) | 0.8 (0.4-1.6) | 0.5 (0.3-1.1) |
| 3 | 30 (16-46) | 23 (11-36) | 16 (7.9-26) | 12 (5.4-19) | 8.1 (3.7-14) | 5.8 (2.6-9.7) | 4.1 (1.8-6.9) | 2.9 (1.2-4.9) | 2.0 (0.9-3.4) | 1.4 (0.6-2.4) | 1.0 (0.4-1.7) |
| 4 | 43 (23-56) | 34 (17-45) | 26 (12-35) | 19 (8.1-26) | 13 (5.6-19) | 9.7 (4.0-14) | 6.9 (2.8-10) | 4.9 (1.9-7.3) | 3.4 (1.4-5.2) | 2.4 (0.9-3.7) | 1.7 (0.7-2.6) |
| 5 | 57 (33-64) | 47 (25-54) | 38 (18-44) | 28 (13-34) | 21 (9.0-26) | 16 (6.4-19) | 11 (4.6-14) | 8.1 (3.2-10) | 5.8 (2.3-7.3) | 4.1 (1.6-5.1) | 2.9 (1.1-3.6) |
| 6 | 70 | 61 | 51 | 41 | 32 | 24 | 18 | 13 | 9.4 | 6.7 | 4.7 |

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

Age = 85 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 5.1 | 3.6 | 2.6 | 1.8 | 1.3 | 1.0 | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 |
| 1 | 9.3 (6.6-20) | 6.8 (4.7-15) | 4.9 (3.4-11) | 3.5 (2.4-7.7) | 2.6 (1.8-5.7) | 1.9 (1.3-4.2) | 1.4 (0.9-3.1) | 1.0 (0.7-2.3) | 0.8 (0.5-1.7) | 0.5 (0.4-1.2) | 0.4 (0.3-0.9) |
| 2 | 16 (9.2-28) | 12 (6.6-21) | 8.5 (4.8-16) | 6.2 (3.4-12) | 4.6 (2.5-8.9) | 3.4 (1.8-6.7) | 2.5 (1.3-5.0) | 1.9 (1.0-3.7) | 1.4 (0.7-2.7) | 1.0 (0.5-2.0) | 0.7 (0.4-1.5) |
| 3 | 24 (13-37) | 19 (9.3-30) | 14 (6.8-23) | 10 (4.9-17) | 7.8 (3.6-13) | 5.9 (2.7-9.9) | 4.4 (2.0-7.5) | 3.3 (1.5-5.6) | 2.4 (1.1-4.1) | 1.8 (0.8-3.1) | 1.3 (0.6-2.3) |
| 4 | 35 (18-46) | 28 (14-38) | 22 (10-30) | 17 (7.3-23) | 13 (5.4-18) | 9.7 (4.1-14) | 7.3 (3.0-10) | 5.5 (2.2-7.9) | 4.1 (1.6-5.9) | 3.0 (1.2-4.4) | 2.2 (0.9-3.3) |
| 5 | 47 (25-53) | 39 (20-45) | 32 (15-37) | 25 (11-30) | 20 (8.3-24) | 15 (6.3-18) | 12 (4.7-14) | 8.9 (3.5-11) | 6.7 (2.6-8.3) | 5.0 (1.9-6.2) | 3.7 (1.4-4.7) |
| 6 | 60 | 52 | 44 | 36 | 29 | 23 | 18 | 14 | 11 | 8.1 | 6.1 |

Age = 90 years

| Number of CRFs | BMD T-score (femoral neck) | | | | | | | | | | |
|----------------|----------------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | -4.0 | -3.5 | -3.0 | -2.5 | -2.0 | -1.5 | -1.0 | -0.5 | 0 | 0.5 | 1.0 |
| 0 | 3.6 | 2.7 | 2.0 | 1.6 | 1.2 | 0.9 | 0.7 | 0.6 | 0.4 | 0.3 | 0.3 |
| 1 | 6.7 (4.8-14) | 5.1 (3.6-11) | 3.9 (2.7-8.5) | 2.9 (2.0-6.5) | 2.3 (1.6-5.1) | 1.8 (1.2-4.0) | 1.4 (1.0-3.1) | 1.1 (0.7-2.4) | 0.8 (0.6-1.9) | 0.7 (0.4-1.5) | 0.5 (0.3-1.1) |
| 2 | 11 (6.5-21) | 8.8 (5.0-16) | 6.8 (3.8-13) | 5.2 (2.9-9.9) | 4.1 (2.2-7.9) | 3.2 (1.7-6.2) | 2.5 (1.4-4.9) | 2.0 (1.1-3.8) | 1.5 (0.8-3.0) | 1.2 (0.6-2.3) | 0.9 (0.5-1.8) |
| 3 | 18 (9.1-29) | 14 (6.9-23) | 11 (5.3-18) | 8.7 (4.0-14) | 6.9 (3.2-12) | 5.5 (2.5-9.3) | 4.3 (1.9-7.3) | 3.4 (1.5-5.8) | 2.6 (1.2-4.5) | 2.1 (0.9-3.5) | 1.6 (0.7-2.8) |
| 4 | 27 (13-37) | 22 (10-30) | 18 (7.8-24) | 14 (6.1-20) | 11 (4.8-16) | 9.0 (3.8-13) | 7.1 (2.9-10) | 5.6 (2.3-8.0) | 4.4 (1.8-6.3) | 3.5 (1.4-5.0) | 2.7 (1.1-3.9) |
| 5 | 38 (19-44) | 32 (15-37) | 26 (12-31) | 21 (9.0-25) | 17 (7.2-21) | 14 (5.7-17) | 11 (4.5-14) | 9.1 (3.5-11) | 7.2 (2.8-8.8) | 5.7 (2.2-7.0) | 4.5 (1.7-5.5) |
| 6 | 50 | 44 | 37 | 31 | 26 | 21 | 17 | 14 | 11 | 9.0 | 7.1 |