**Ecuador - 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 Ecuador. 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 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1 | 0.2 (0.1-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) | 0.1 (0.0-0.1) | 0.0 (0.0-0.1) | 0.0 (0.0-0.1) | 0.0 (0.0-0.1) |
| 2 | 0.4 (0.2-0.8) | 0.2 (0.1-0.5) | 0.1 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.0-0.2) | 0.1 (0.0-0.1) | 0.0 (0.0-0.1) |
| 3 | 0.7 (0.3-1.5) | 0.4 (0.2-0.8) | 0.2 (0.1-0.5) | 0.2 (0.1-0.4) | 0.1 (0.1-0.3) | 0.1 (0.0-0.2) | 0.1 (0.0-0.2) |
| 4 | 1.4 (0.5-2.2) | 0.8 (0.3-1.3) | 0.4 (0.2-0.7) | 0.3 (0.1-0.6) | 0.3 (0.1-0.4) | 0.2 (0.1-0.3) | 0.2 (0.1-0.3) |
| 5 | 2.4 (1.1-3.2) | 1.4 (0.6-1.9) | 0.8 (0.4-1.1) | 0.6 (0.3-0.8) | 0.5 (0.2-0.6) | 0.4 (0.2-0.5) | 0.3 (0.1-0.4) |
| 6 | 4.2 | 2.4 | 1.4 | 1.1 | 0.8 | 0.6 | 0.5 |

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

**Age = 55 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 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) | 0.1 (0.0-0.1) | 0.0 (0.0-0.1) | 0.0 (0.0-0.1) |
| 2 | 0.6 (0.3-1.1) | 0.3 (0.2-0.7) | 0.2 (0.1-0.4) | 0.1 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |
| 3 | 1.1 (0.5-2.0) | 0.6 (0.3-1.2) | 0.3 (0.2-0.7) | 0.3 (0.1-0.5) | 0.2 (0.1-0.4) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 4 | 1.9 (0.8-3.0) | 1.1 (0.5-1.8) | 0.6 (0.3-1.0) | 0.5 (0.2-0.8) | 0.4 (0.2-0.6) | 0.3 (0.1-0.5) | 0.2 (0.1-0.4) |
| 5 | 3.2 (1.6-4.2) | 1.9 (1.0-2.5) | 1.1 (0.6-1.5) | 0.9 (0.4-1.1) | 0.7 (0.3-0.9) | 0.5 (0.3-0.7) | 0.4 (0.2-0.5) |
| 6 | 5.5 | 3.3 | 1.9 | 1.5 | 1.2 | 0.9 | 0.7 |

**Age = 60 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 | 0.0 | 0.0 |
| 1 | 0.5 (0.3-0.8) | 0.3 (0.2-0.4) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) | 0.1 (0.0-0.1) |
| 2 | 0.8 (0.5-1.5) | 0.5 (0.3-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.4) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.2) |
| 3 | 1.5 (0.7-2.6) | 0.9 (0.4-1.6) | 0.5 (0.3-0.9) | 0.4 (0.2-0.7) | 0.3 (0.2-0.6) | 0.2 (0.1-0.4) | 0.2 (0.1-0.3) |
| 4 | 2.5 (1.3-3.9) | 1.5 (0.8-2.4) | 0.9 (0.5-1.4) | 0.7 (0.4-1.1) | 0.5 (0.3-0.8) | 0.4 (0.2-0.6) | 0.3 (0.2-0.5) |
| 5 | 4.2 (2.4-5.3) | 2.6 (1.5-3.4) | 1.5 (0.9-2.0) | 1.2 (0.7-1.6) | 0.9 (0.5-1.2) | 0.7 (0.4-0.9) | 0.5 (0.3-0.7) |
| 6 | 6.9 | 4.4 | 2.6 | 2.0 | 1.6 | 1.2 | 0.9 |

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

**Age = 65 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1 | 0.7 (0.5-1.0) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) |
| 2 | 1.2 (0.7-1.9) | 0.7 (0.5-1.2) | 0.4 (0.3-0.7) | 0.3 (0.2-0.6) | 0.3 (0.2-0.4) | 0.2 (0.1-0.3) | 0.2 (0.1-0.3) |
| 3 | 2.0 (1.1-3.3) | 1.3 (0.7-2.1) | 0.8 (0.4-1.3) | 0.6 (0.3-1.0) | 0.5 (0.3-0.8) | 0.3 (0.2-0.6) | 0.3 (0.2-0.5) |
| 4 | 3.3 (2.0-5.0) | 2.1 (1.2-3.2) | 1.3 (0.7-2.0) | 1.0 (0.6-1.5) | 0.8 (0.4-1.2) | 0.6 (0.3-0.9) | 0.5 (0.3-0.7) |
| 5 | 5.3 (3.5-6.5) | 3.5 (2.3-4.4) | 2.2 (1.5-2.8) | 1.7 (1.1-2.1) | 1.3 (0.9-1.6) | 1.0 (0.7-1.3) | 0.8 (0.5-1.0) |
| 6 | 8.5 | 5.7 | 3.6 | 2.8 | 2.1 | 1.6 | 1.3 |

**Age = 70 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 0.7 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 |
| 1 | 1.2 (0.9-1.5) | 0.8 (0.6-1.0) | 0.5 (0.4-0.6) | 0.4 (0.3-0.4) | 0.3 (0.2-0.3) | 0.2 (0.2-0.3) | 0.2 (0.1-0.2) |
| 2 | 2.1 (1.4-3.1) | 1.4 (0.9-2.0) | 0.9 (0.6-1.2) | 0.7 (0.4-0.9) | 0.5 (0.3-0.7) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) |
| 3 | 3.7 (2.3-5.4) | 2.5 (1.6-3.7) | 1.6 (1.0-2.4) | 1.2 (0.8-1.8) | 0.9 (0.6-1.4) | 0.7 (0.5-1.1) | 0.5 (0.4-0.8) |
| 4 | 6.2 (4.0-9.1) | 4.3 (2.9-6.4) | 2.8 (1.9-4.2) | 2.2 (1.5-3.2) | 1.7 (1.1-2.5) | 1.3 (0.9-1.9) | 1.0 (0.7-1.4) |
| 5 | 10 (8.2-13) | 7.4 (6.0-9.6) | 4.9 (4.1-6.3) | 3.8 (3.1-4.8) | 2.9 (2.4-3.7) | 2.2 (1.8-2.9) | 1.7 (1.4-2.2) |
| 6 | 16 | 12 | 8.4 | 6.5 | 5.0 | 3.8 | 2.9 |

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

**Age = 75 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 1.2 | 0.8 | 0.5 | 0.4 | 0.3 | 0.2 | 0.2 |
| 1 | 2.3 (1.5-4.1) | 1.6 (1.1-2.8) | 1.0 (0.7-1.8) | 0.8 (0.6-1.4) | 0.6 (0.4-1.1) | 0.5 (0.3-0.8) | 0.4 (0.2-0.6) |
| 2 | 4.1 (2.3-7.3) | 3.0 (1.6-5.1) | 2.0 (1.1-3.4) | 1.5 (0.8-2.6) | 1.2 (0.6-2.0) | 0.9 (0.5-1.5) | 0.7 (0.4-1.1) |
| 3 | 7.3 (3.5-12) | 5.4 (2.7-8.8) | 3.7 (1.9-6.0) | 2.8 (1.5-4.6) | 2.1 (1.1-3.5) | 1.6 (0.9-2.7) | 1.2 (0.6-2.1) |
| 4 | 12 (6.1-19) | 9.4 (4.8-15) | 6.6 (3.4-10) | 5.1 (2.6-8.0) | 3.9 (2.0-6.2) | 3.0 (1.5-4.7) | 2.3 (1.1-3.6) |
| 5 | 19 (11-26) | 16 (8.4-21) | 11 (6.1-15) | 8.9 (4.7-12) | 6.9 (3.6-9.2) | 5.3 (2.7-7.1) | 4.0 (2.1-5.4) |
| 6 | 29 | 25 | 19 | 15 | 12 | 9.0 | 6.9 |

**Age = 80 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 1.9 | 1.4 | 1.0 | 0.7 | 0.6 | 0.4 | 0.3 |
| 1 | 3.4 (2.3-6.4) | 2.6 (1.8-4.8) | 1.8 (1.3-3.3) | 1.4 (1.0-2.5) | 1.1 (0.7-1.9) | 0.8 (0.6-1.5) | 0.6 (0.4-1.1) |
| 2 | 5.9 (3.3-11) | 4.6 (2.7-8.3) | 3.3 (1.9-5.8) | 2.5 (1.5-4.4) | 1.9 (1.1-3.4) | 1.5 (0.8-2.6) | 1.1 (0.6-2.0) |
| 3 | 9.8 (5.0-16) | 7.9 (4.1-13) | 5.8 (3.0-9.8) | 4.5 (2.3-7.5) | 3.4 (1.7-5.8) | 2.6 (1.3-4.4) | 2.0 (1.0-3.3) |
| 4 | 15 (7.6-22) | 13 (6.3-19) | 9.9 (4.9-15) | 7.6 (3.7-11) | 5.8 (2.8-8.8) | 4.5 (2.1-6.7) | 3.4 (1.6-5.1) |
| 5 | 23 (13-30) | 20 (11-26) | 16 (8.4-21) | 13 (6.5-16) | 9.7 (4.9-13) | 7.5 (3.7-10) | 5.7 (2.8-7.7) |
| 6 | 33 | 29 | 25 | 20 | 15 | 12 | 9.3 |

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

**Age = 85 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | **15** | **20** | **25** | **30** | **35** | **40** | **45** |
| 0 | 2.8 | 2.2 | 1.6 | 1.2 | 0.9 | 0.7 | 0.5 |
| 1 | 4.9 (3.2-9.1) | 4.0 (2.7-7.4) | 3.0 (2.1-5.6) | 2.3 (1.6-4.2) | 1.7 (1.2-3.2) | 1.3 (0.9-2.4) | 1.0 (0.7-1.9) |
| 2 | 8.3 (4.6-15) | 6.9 (3.9-12) | 5.4 (3.1-9.5) | 4.1 (2.4-7.3) | 3.1 (1.8-5.6) | 2.3 (1.3-4.3) | 1.8 (1.0-3.2) |
| 3 | 13 (6.8-21) | 11 (5.8-18) | 9.1 (4.8-15) | 7.0 (3.6-11) | 5.3 (2.7-8.8) | 4.0 (2.1-6.7) | 3.1 (1.5-5.1) |
| 4 | 20 (10-29) | 18 (8.8-25) | 15 (7.3-21) | 11 (5.6-17) | 8.8 (4.2-13) | 6.8 (3.2-10) | 5.1 (2.4-7.7) |
| 5 | 29 (17-37) | 26 (14-33) | 23 (12-29) | 18 (9.4-24) | 14 (7.2-19) | 11 (5.5-15) | 8.3 (4.1-11) |
| 6 | 40 | 36 | 33 | 27 | 21 | 17 | 13 |

**Age = 90 years**

| Number of CRFs | BMI (kg/m²) | | | | | | |
|---|---|---|---|---|---|---|---|
| | **15** | **20** | **25** | **30** | **35** | **40** | **45** |
| 0 | 3.8 | 3.1 | 2.4 | 1.8 | 1.3 | 1.0 | 0.8 |
| 1 | 6.7 (4.4-12) | 5.5 (3.6-10) | 4.3 (2.9-7.9) | 3.3 (2.2-6.0) | 2.5 (1.6-4.6) | 1.9 (1.2-3.5) | 1.4 (0.9-2.6) |
| 2 | 11 (6.3-20) | 9.3 (5.3-17) | 7.5 (4.4-13) | 5.7 (3.3-10) | 4.3 (2.5-7.9) | 3.3 (1.9-6.0) | 2.5 (1.4-4.6) |
| 3 | 17 (9.3-27) | 15 (7.9-24) | 12 (6.6-19) | 9.5 (5.0-15) | 7.3 (3.7-12) | 5.6 (2.8-9.1) | 4.2 (2.1-7.0) |
| 4 | 26 (14-36) | 23 (12-32) | 19 (9.9-27) | 15 (7.5-22) | 12 (5.7-17) | 9.1 (4.3-13) | 7.0 (3.2-10) |
| 5 | 36 (22-44) | 32 (19-41) | 29 (16-36) | 23 (13-30) | 18 (9.7-24) | 14 (7.4-19) | 11 (5.6-15) |
| 6 | 47 | 44 | 40 | 33 | 27 | 22 | 17 |