**Armenia - The probabilities of a hip fracture in men**

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 Armenia. 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 | 14 | 7.9 | 4.2 | 2.2 | 1.2 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1 | 22 (15-28) | 12 (8.3-16) | 6.7 (4.4-8.8) | 3.6 (2.4-4.7) | 1.9 (1.2-2.5) | 1.0 (0.7-1.3) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) |
| 2 | 31 (21-43) | 18 (12-26) | 10 (6.3-15) | 5.6 (3.3-8.3) | 3.0 (1.8-4.5) | 1.6 (0.9-2.4) | 0.8 (0.5-1.3) | 0.4 (0.3-0.7) | 0.2 (0.1-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |
| 3 | 43 (29-57) | 27 (17-38) | 15 (9.4-23) | 8.5 (5.1-13) | 4.6 (2.7-7.2) | 2.5 (1.4-3.9) | 1.3 (0.8-2.1) | 0.7 (0.4-1.1) | 0.4 (0.2-0.6) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 4 | 56 (43-69) | 37 (26-51) | 23 (15-33) | 13 (8.2-19) | 7.0 (4.4-11) | 3.8 (2.4-5.9) | 2.0 (1.2-3.1) | 1.1 (0.7-1.7) | 0.6 (0.4-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 5 | 68 (59-77) | 50 (40-61) | 32 (24-42) | 19 (14-26) | 11 (7.7-15) | 5.8 (4.1-8.2) | 3.1 (2.2-4.4) | 1.6 (1.2-2.4) | 0.9 (0.6-1.3) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) |
| 6 | 78 | 63 | 44 | 27 | 16 | 8.6 | 4.7 | 2.5 | 1.3 | 0.7 | 0.4 |

**FRAX®** WHO Fracture Risk Assessment Tool

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

**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 | 14 | 7.8 | 4.3 | 2.4 | 1.3 | 0.7 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1 | 20 (14-25) | 12 (8.1-15) | 6.6 (4.6-8.3) | 3.7 (2.5-4.7) | 2.1 (1.4-2.6) | 1.1 (0.8-1.4) | 0.6 (0.4-0.8) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.1 (0.0-0.1) |
| 2 | 28 (20-38) | 17 (11-24) | 10 (6.4-14) | 5.7 (3.6-8.1) | 3.2 (2.0-4.5) | 1.7 (1.1-2.5) | 1.0 (0.6-1.4) | 0.5 (0.3-0.8) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) |
| 3 | 39 (28-50) | 25 (17-34) | 15 (9.6-21) | 8.5 (5.4-12) | 4.8 (3.0-7.0) | 2.7 (1.7-4.0) | 1.5 (0.9-2.2) | 0.8 (0.5-1.2) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.1 (0.1-0.2) |
| 4 | 50 (39-62) | 34 (25-45) | 21 (15-29) | 12 (8.5-18) | 7.1 (4.8-11) | 4.0 (2.7-6.0) | 2.2 (1.5-3.3) | 1.2 (0.8-1.9) | 0.7 (0.5-1.1) | 0.4 (0.3-0.6) | 0.2 (0.2-0.3) |
| 5 | 62 (54-71) | 45 (37-55) | 29 (24-38) | 18 (14-24) | 11 (8.1-15) | 6.0 (4.6-8.4) | 3.3 (2.5-4.7) | 1.9 (1.4-2.6) | 1.1 (0.8-1.5) | 0.6 (0.5-0.9) | 0.3 (0.3-0.5) |
| 6 | 72 | 57 | 40 | 25 | 15 | 8.8 | 4.9 | 2.8 | 1.6 | 0.9 | 0.5 |

**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 | 11 | 6.5 | 3.9 | 2.3 | 1.3 | 0.8 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 |
| 1 | 16 (11-19) | 9.6 (6.9-11) | 5.8 (4.1-6.9) | 3.4 (2.4-4.1) | 2.0 (1.4-2.4) | 1.2 (0.8-1.4) | 0.7 (0.5-0.8) | 0.4 (0.3-0.5) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) |
| 2 | 22 (16-28) | 14 (9.6-18) | 8.5 (5.7-11) | 5.1 (3.4-6.9) | 3.0 (2.0-4.1) | 1.8 (1.2-2.4) | 1.0 (0.7-1.4) | 0.6 (0.4-0.8) | 0.4 (0.2-0.5) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) |
| 3 | 30 (22-38) | 19 (14-26) | 12 (8.6-17) | 7.4 (5.1-10) | 4.5 (3.0-6.2) | 2.6 (1.8-3.7) | 1.6 (1.1-2.2) | 0.9 (0.6-1.3) | 0.6 (0.4-0.8) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 4 | 39 (31-48) | 27 (20-34) | 17 (13-23) | 11 (7.8-15) | 6.5 (4.7-9.1) | 3.9 (2.8-5.5) | 2.3 (1.6-3.3) | 1.4 (1.0-2.0) | 0.8 (0.6-1.2) | 0.5 (0.4-0.7) | 0.3 (0.2-0.4) |
| 5 | 49 (43-57) | 35 (30-43) | 24 (20-30) | 15 (12-20) | 9.3 (7.6-13) | 5.6 (4.6-7.7) | 3.4 (2.7-4.6) | 2.0 (1.6-2.8) | 1.2 (1.0-1.7) | 0.7 (0.6-1.0) | 0.4 (0.4-0.6) |
| 6 | 58 | 45 | 32 | 21 | 13 | 8.1 | 4.9 | 2.9 | 1.8 | 1.1 | 0.7 |

**FRAX®** WHO Fracture Risk Assessment Tool

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

**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 | 8.3 | 5.3 | 3.4 | 2.1 | 1.3 | 0.8 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 |
| 1 | 12 (8.8-13) | 7.6 (5.6-8.7) | 4.9 (3.5-5.6) | 3.1 (2.2-3.5) | 1.9 (1.4-2.2) | 1.2 (0.9-1.4) | 0.8 (0.5-0.9) | 0.5 (0.3-0.5) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) |
| 2 | 16 (12-20) | 11 (7.8-13) | 6.9 (5.0-8.7) | 4.4 (3.1-5.6) | 2.8 (2.0-3.6) | 1.8 (1.2-2.2) | 1.1 (0.8-1.4) | 0.7 (0.5-0.9) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) |
| 3 | 22 (17-28) | 15 (11-19) | 9.7 (7.1-13) | 6.3 (4.6-8.4) | 4.0 (2.9-5.4) | 2.5 (1.8-3.4) | 1.6 (1.1-2.1) | 1.0 (0.7-1.4) | 0.6 (0.5-0.9) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) |
| 4 | 29 (24-36) | 20 (16-26) | 13 (11-18) | 8.8 (6.8-12) | 5.6 (4.4-7.5) | 3.6 (2.8-4.8) | 2.3 (1.7-3.1) | 1.4 (1.1-2.0) | 0.9 (0.7-1.3) | 0.6 (0.5-0.8) | 0.4 (0.3-0.5) |
| 5 | 36 (32-43) | 26 (23-32) | 18 (16-23) | 12 (10-16) | 7.9 (6.7-10) | 5.1 (4.3-6.8) | 3.2 (2.7-4.3) | 2.1 (1.8-2.8) | 1.3 (1.1-1.8) | 0.9 (0.7-1.2) | 0.6 (0.5-0.8) |
| 6 | 44 | 33 | 24 | 16 | 11 | 7.1 | 4.5 | 2.9 | 1.9 | 1.2 | 0.8 |

**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 | 6.1 | 4.1 | 2.8 | 1.8 | 1.2 | 0.8 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 |
| 1 | 9.4 (8.2-12) | 6.4 (5.6-8.5) | 4.3 (3.8-5.8) | 2.9 (2.6-3.9) | 1.9 (1.7-2.6) | 1.3 (1.1-1.7) | 0.9 (0.8-1.2) | 0.6 (0.5-0.8) | 0.4 (0.4-0.5) | 0.3 (0.2-0.4) | 0.2 (0.2-0.3) |
| 2 | 14 (11-18) | 9.8 (7.8-13) | 6.7 (5.3-8.7) | 4.6 (3.6-5.9) | 3.1 (2.4-4.0) | 2.1 (1.6-2.7) | 1.4 (1.1-1.8) | 0.9 (0.7-1.2) | 0.6 (0.5-0.8) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) |
| 3 | 20 (16-25) | 15 (11-18) | 10 (7.7-13) | 7.0 (5.3-8.9) | 4.8 (3.6-6.1) | 3.2 (2.4-4.1) | 2.1 (1.6-2.8) | 1.5 (1.1-1.9) | 1.0 (0.8-1.3) | 0.7 (0.5-0.9) | 0.5 (0.4-0.6) |
| 4 | 28 (22-34) | 21 (16-25) | 15 (11-18) | 11 (7.9-13) | 7.3 (5.4-9.0) | 5.0 (3.7-6.2) | 3.3 (2.5-4.2) | 2.3 (1.7-2.9) | 1.6 (1.2-2.0) | 1.1 (0.8-1.4) | 0.7 (0.6-0.9) |
| 5 | 38 (31-42) | 29 (23-33) | 22 (17-24) | 16 (12-18) | 11 (8.1-12) | 7.5 (5.6-8.6) | 5.1 (3.8-5.8) | 3.6 (2.6-4.0) | 2.5 (1.8-2.8) | 1.7 (1.3-1.9) | 1.2 (0.9-1.3) |
| 6 | 48 | 39 | 30 | 22 | 16 | 11 | 7.8 | 5.4 | 3.8 | 2.7 | 1.8 |

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

**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 | 4.6 | 3.3 | 2.3 | 1.6 | 1.2 | 0.8 | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 |
| 1 | 8.2 (5.9-17) | 6.0 (4.2-13) | 4.3 (3.0-9.5) | 3.1 (2.2-6.8) | 2.2 (1.5-4.9) | 1.6 (1.1-3.5) | 1.1 (0.8-2.5) | 0.8 (0.6-1.8) | 0.6 (0.4-1.3) | 0.4 (0.3-0.9) | 0.3 (0.2-0.7) |
| 2 | 14 (8.2-24) | 10 (5.9-19) | 7.4 (4.3-14) | 5.4 (3.0-10) | 3.9 (2.2-7.3) | 2.8 (1.5-5.2) | 2.0 (1.1-3.7) | 1.4 (0.8-2.7) | 1.0 (0.6-2.0) | 0.8 (0.4-1.4) | 0.6 (0.3-1.0) |
| 3 | 21 (11-31) | 16 (8.3-25) | 12 (6.0-19) | 8.9 (4.3-14) | 6.5 (3.1-10) | 4.7 (2.2-7.6) | 3.3 (1.6-5.5) | 2.4 (1.1-4.0) | 1.8 (0.8-3.0) | 1.3 (0.6-2.2) | 1.0 (0.4-1.6) |
| 4 | 30 (15-39) | 24 (11-32) | 18 (8.4-25) | 14 (6.1-19) | 10 (4.4-14) | 7.6 (3.1-10) | 5.5 (2.2-7.6) | 4.0 (1.6-5.7) | 3.0 (1.2-4.2) | 2.2 (0.9-3.1) | 1.6 (0.6-2.2) |
| 5 | 41 (21-47) | 33 (16-39) | 27 (12-32) | 21 (9.0-25) | 16 (6.5-19) | 12 (4.7-14) | 8.7 (3.4-11) | 6.5 (2.5-7.9) | 4.8 (1.8-5.8) | 3.6 (1.3-4.3) | 2.6 (1.0-3.2) |
| 6 | 52 | 45 | 37 | 30 | 23 | 18 | 13 | 10 | 7.5 | 5.6 | 4.2 |

**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 | 3.7 | 2.8 | 2.1 | 1.6 | 1.2 | 0.9 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 |
| 1 | 6.7 (4.7-14) | 5.1 (3.6-11) | 3.8 (2.7-8.6) | 2.9 (2.0-6.5) | 2.2 (1.5-4.9) | 1.6 (1.1-3.7) | 1.2 (0.8-2.8) | 0.9 (0.6-2.1) | 0.7 (0.5-1.6) | 0.5 (0.4-1.3) | 0.4 (0.3-1.0) |
| 2 | 11 (6.1-20) | 8.5 (4.7-16) | 6.5 (3.5-12) | 5.0 (2.6-9.6) | 3.7 (2.0-7.3) | 2.8 (1.5-5.5) | 2.1 (1.1-4.2) | 1.6 (0.9-3.2) | 1.3 (0.7-2.5) | 1.0 (0.5-1.9) | 0.7 (0.4-1.5) |
| 3 | 17 (8.5-27) | 13 (6.5-21) | 10 (4.9-17) | 8.0 (3.7-13) | 6.1 (2.8-10) | 4.7 (2.1-7.8) | 3.5 (1.6-5.9) | 2.7 (1.2-4.6) | 2.1 (0.9-3.6) | 1.6 (0.7-2.8) | 1.3 (0.6-2.1) |
| 4 | 25 (12-34) | 20 (8.9-28) | 16 (6.8-22) | 12 (5.2-18) | 9.6 (3.9-14) | 7.4 (2.9-11) | 5.6 (2.2-8.2) | 4.4 (1.7-6.5) | 3.4 (1.3-5.0) | 2.6 (1.0-3.9) | 2.0 (0.8-3.0) |
| 5 | 34 (17-40) | 28 (13-33) | 23 (10-27) | 18 (7.7-22) | 14 (5.8-17) | 11 (4.4-14) | 8.7 (3.4-11) | 6.9 (2.6-8.3) | 5.4 (2.0-6.5) | 4.2 (1.6-5.1) | 3.3 (1.2-3.9) |
| 6 | 45 | 38 | 32 | 26 | 21 | 17 | 13 | 10 | 8.2 | 6.5 | 5.0 |

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

**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 | 3.0 | 2.4 | 1.8 | 1.4 | 1.1 | 0.9 | 0.7 | 0.6 | 0.4 | 0.4 | 0.3 |
| 1 | 5.4 (3.8-12) | 4.3 (3.0-9.5) | 3.4 (2.4-7.6) | 2.7 (1.9-6.0) | 2.1 (1.5-4.7) | 1.6 (1.1-3.7) | 1.3 (0.9-3.0) | 1.0 (0.7-2.4) | 0.8 (0.6-1.9) | 0.7 (0.5-1.5) | 0.5 (0.4-1.2) |
| 2 | 9.1 (5.0-17) | 7.3 (4.0-14) | 5.8 (3.1-11) | 4.6 (2.4-8.9) | 3.6 (1.9-7.1) | 2.9 (1.5-5.6) | 2.3 (1.2-4.4) | 1.8 (1.0-3.6) | 1.5 (0.8-2.9) | 1.2 (0.6-2.3) | 1.0 (0.5-1.9) |
| 3 | 14 (7.0-23) | 12 (5.5-19) | 9.4 (4.4-15) | 7.5 (3.4-12) | 6.0 (2.7-9.9) | 4.7 (2.1-7.9) | 3.8 (1.7-6.4) | 3.1 (1.4-5.2) | 2.5 (1.1-4.2) | 2.0 (0.9-3.4) | 1.6 (0.7-2.8) |
| 4 | 21 (9.7-29) | 18 (7.7-25) | 14 (6.1-20) | 12 (4.9-17) | 9.4 (3.8-14) | 7.5 (3.0-11) | 6.1 (2.4-8.8) | 4.9 (1.9-7.2) | 4.0 (1.6-5.9) | 3.3 (1.3-4.8) | 2.6 (1.0-3.9) |
| 5 | 30 (14-35) | 25 (11-30) | 21 (9.1-25) | 17 (7.2-21) | 14 (5.7-17) | 12 (4.5-14) | 9.4 (3.6-11) | 7.7 (2.9-9.3) | 6.3 (2.4-7.6) | 5.1 (1.9-6.2) | 4.2 (1.6-5.0) |
| 6 | 40 | 35 | 30 | 25 | 21 | 17 | 14 | 12 | 9.6 | 7.9 | 6.5 |

**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 | 2.0 | 1.6 | 1.3 | 1.1 | 0.9 | 0.7 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 |
| 1 | 3.7 (2.7-8.3) | 3.1 (2.2-6.9) | 2.5 (1.8-5.6) | 2.1 (1.4-4.6) | 1.7 (1.2-3.8) | 1.4 (1.0-3.1) | 1.1 (0.8-2.6) | 1.0 (0.7-2.2) | 0.8 (0.6-1.8) | 0.7 (0.5-1.5) | 0.6 (0.4-1.3) |
| 2 | 6.4 (3.5-12) | 5.3 (2.8-10) | 4.4 (2.3-8.4) | 3.6 (1.9-6.9) | 2.9 (1.6-5.7) | 2.4 (1.3-4.7) | 2.0 (1.1-3.9) | 1.7 (0.9-3.3) | 1.4 (0.8-2.8) | 1.2 (0.6-2.3) | 1.0 (0.5-1.9) |
| 3 | 10 (4.9-17) | 8.6 (4.0-14) | 7.2 (3.3-12) | 5.9 (2.7-9.9) | 4.9 (2.2-8.2) | 4.0 (1.8-6.8) | 3.4 (1.5-5.7) | 2.9 (1.3-4.8) | 2.4 (1.1-4.1) | 2.0 (0.9-3.5) | 1.7 (0.8-2.9) |
| 4 | 16 (6.9-22) | 13 (5.7-19) | 11 (4.7-16) | 9.4 (3.9-14) | 7.8 (3.2-11) | 6.5 (2.6-9.4) | 5.5 (2.2-7.9) | 4.6 (1.9-6.8) | 3.9 (1.6-5.7) | 3.3 (1.3-4.8) | 2.8 (1.1-4.1) |
| 5 | 23 (10-27) | 20 (8.5-24) | 17 (7.0-20) | 14 (5.8-17) | 12 (4.8-14) | 10 (3.9-12) | 8.6 (3.3-10) | 7.3 (2.8-8.7) | 6.2 (2.4-7.4) | 5.3 (2.0-6.3) | 4.5 (1.7-5.4) |
| 6 | 32 | 28 | 25 | 21 | 18 | 15 | 13 | 11 | 9.6 | 8.2 | 7.0 |