

**Hungary - 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 Hungary. 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/m<sup>2</sup>.

**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              | 15                         | 8.2         | 4.4           | 2.4           | 1.3           | 0.7           | 0.4           | 0.2           | 0.1           | 0.1           | 0.0           |  |
| 1              | 22 (16-29)                 | 13 (8.6-17) | 6.9 (4.6-9.2) | 3.7 (2.5-5.0) | 2.0 (1.3-2.7) | 1.0 (0.7-1.4) | 0.6 (0.4-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) |  |
| 2              | 31 (21-43)                 | 19 (12-27)  | 11 (6.5-15)   | 5.7 (3.5-8.6) | 3.1 (1.9-4.6) | 1.6 (1.0-2.5) | 0.9 (0.5-1.3) | 0.5 (0.3-0.7) | 0.2 (0.2-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |  |
| 3              | 42 (30-55)                 | 27 (18-37)  | 16 (9.8-23)   | 8.7 (5.3-13)  | 4.7 (2.8-7.2) | 2.5 (1.5-3.9) | 1.4 (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              | 54 (42-65)                 | 37 (26-49)  | 23 (15-32)    | 13 (8.4-19)   | 7.2 (4.5-11)  | 3.9 (2.4-5.9) | 2.1 (1.3-3.2) | 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              | 65 (56-73)                 | 48 (39-58)  | 31 (24-41)    | 19 (14-26)    | 11 (7.7-15)   | 5.8 (4.2-8.3) | 3.1 (2.2-4.5) | 1.7 (1.2-2.4) | 0.9 (0.6-1.3) | 0.5 (0.4-0.7) | 0.3 (0.2-0.4) |  |
| 6              | 74                         | 60          | 42            | 27            | 16            | 8.7           | 4.7           | 2.5           | 1.4           | 0.8           | 0.4           |  |

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

**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              | 16                         | 9.3         | 5.2          | 2.9           | 1.6           | 0.9           | 0.5           | 0.3           | 0.2           | 0.1           | 0.1           |
| 1              | 23 (17-29)                 | 14 (9.7-17) | 7.9 (5.5-10) | 4.5 (3.1-5.7) | 2.5 (1.7-3.2) | 1.4 (0.9-1.8) | 0.8 (0.5-1.0) | 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              | 32 (23-42)                 | 20 (13-27)  | 12 (7.7-16)  | 6.7 (4.3-9.5) | 3.8 (2.4-5.4) | 2.1 (1.3-3.0) | 1.2 (0.7-1.7) | 0.6 (0.4-0.9) | 0.4 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 3              | 42 (32-54)                 | 28 (20-37)  | 17 (11-24)   | 10 (6.5-14)   | 5.7 (3.6-8.2) | 3.2 (2.0-4.6) | 1.8 (1.1-2.6) | 1.0 (0.6-1.5) | 0.6 (0.3-0.8) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 4              | 53 (43-63)                 | 37 (28-47)  | 24 (17-32)   | 14 (10-20)    | 8.4 (5.7-12)  | 4.8 (3.2-7.0) | 2.7 (1.8-3.9) | 1.5 (1.0-2.2) | 0.8 (0.6-1.3) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) |
| 5              | 63 (55-70)                 | 48 (40-57)  | 33 (26-41)   | 21 (16-27)    | 12 (9.4-17)   | 7.0 (5.3-9.7) | 4.0 (3.0-5.5) | 2.2 (1.7-3.1) | 1.3 (1.0-1.8) | 0.7 (0.5-1.0) | 0.4 (0.3-0.6) |
| 6              | 71                         | 58          | 43           | 28            | 17            | 10            | 5.8           | 3.3           | 1.9           | 1.1           | 0.6           |

**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              | 14                         | 8.3         | 5.0           | 2.9           | 1.7           | 1.0           | 0.6           | 0.3           | 0.2           | 0.1           | 0.1           |
| 1              | 19 (14-23)                 | 12 (8.7-14) | 7.4 (5.2-8.8) | 4.4 (3.1-5.3) | 2.6 (1.8-3.1) | 1.5 (1.1-1.8) | 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) |
| 2              | 27 (19-34)                 | 17 (12-23)  | 11 (7.3-14)   | 6.5 (4.4-8.7) | 3.9 (2.6-5.2) | 2.3 (1.5-3.1) | 1.3 (0.9-1.8) | 0.8 (0.5-1.1) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) |
| 3              | 36 (27-45)                 | 24 (18-31)  | 15 (11-21)    | 9.4 (6.6-13)  | 5.7 (3.9-7.8) | 3.4 (2.3-4.7) | 2.0 (1.3-2.8) | 1.2 (0.8-1.7) | 0.7 (0.5-1.0) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) |
| 4              | 45 (37-55)                 | 32 (25-40)  | 21 (16-28)    | 13 (9.9-18)   | 8.2 (6.0-11)  | 5.0 (3.6-7.0) | 3.0 (2.1-4.2) | 1.7 (1.2-2.5) | 1.1 (0.8-1.5) | 0.6 (0.5-0.9) | 0.4 (0.3-0.6) |
| 5              | 55 (49-63)                 | 41 (36-50)  | 29 (24-36)    | 19 (15-25)    | 12 (9.6-16)   | 7.2 (5.8-9.7) | 4.3 (3.5-5.9) | 2.6 (2.1-3.5) | 1.6 (1.3-2.2) | 1.0 (0.8-1.3) | 0.6 (0.5-0.8) |
| 6              | 64                         | 51          | 37            | 26            | 16            | 10            | 6.2           | 3.7           | 2.3           | 1.4           | 0.9           |

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

**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              | 11                         | 7.0          | 4.4           | 2.8           | 1.7           | 1.1           | 0.7           | 0.4           | 0.3           | 0.2           | 0.1           |
| 1              | 15 (11-17)                 | 9.9 (7.3-11) | 6.4 (4.6-7.2) | 4.0 (2.9-4.6) | 2.5 (1.8-2.9) | 1.6 (1.1-1.8) | 1.0 (0.7-1.1) | 0.6 (0.4-0.7) | 0.4 (0.3-0.5) | 0.3 (0.2-0.3) | 0.2 (0.1-0.2) |
| 2              | 21 (16-26)                 | 14 (10-17)   | 9.1 (6.5-11)  | 5.8 (4.1-7.4) | 3.7 (2.6-4.7) | 2.3 (1.6-3.0) | 1.4 (1.0-1.9) | 0.9 (0.6-1.2) | 0.6 (0.4-0.8) | 0.4 (0.3-0.5) | 0.2 (0.2-0.3) |
| 3              | 28 (21-35)                 | 19 (14-25)   | 13 (9.4-17)   | 8.2 (6.0-11)  | 5.3 (3.8-7.0) | 3.3 (2.4-4.5) | 2.1 (1.5-2.8) | 1.3 (1.0-1.8) | 0.9 (0.6-1.2) | 0.5 (0.4-0.7) | 0.4 (0.3-0.5) |
| 4              | 36 (30-44)                 | 25 (21-32)   | 17 (14-22)    | 12 (9.0-15)   | 7.5 (5.8-10)  | 4.8 (3.6-6.4) | 3.0 (2.3-4.1) | 1.9 (1.5-2.6) | 1.2 (0.9-1.7) | 0.8 (0.6-1.1) | 0.5 (0.4-0.7) |
| 5              | 44 (40-51)                 | 33 (29-40)   | 23 (20-29)    | 16 (14-20)    | 10 (9.0-14)   | 6.7 (5.8-9.0) | 4.3 (3.7-5.8) | 2.7 (2.3-3.7) | 1.8 (1.5-2.4) | 1.2 (1.0-1.6) | 0.7 (0.6-1.0) |
| 6              | 52                         | 41           | 30            | 21            | 14            | 9.4           | 6.1           | 3.9           | 2.5           | 1.7           | 1.1           |

**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              | 9.5                        | 6.5         | 4.4           | 2.9           | 1.9           | 1.3           | 0.9           | 0.6           | 0.4           | 0.3           | 0.2           |
| 1              | 14 (13-19)                 | 10 (8.8-13) | 6.8 (6.0-9.0) | 4.6 (4.1-6.1) | 3.1 (2.7-4.1) | 2.1 (1.8-2.7) | 1.4 (1.2-1.8) | 0.9 (0.8-1.2) | 0.6 (0.6-0.8) | 0.4 (0.4-0.6) | 0.3 (0.3-0.4) |
| 2              | 21 (17-26)                 | 15 (12-19)  | 10 (8.4-13)   | 7.2 (5.7-9.2) | 4.8 (3.9-6.3) | 3.2 (2.6-4.3) | 2.2 (1.7-2.9) | 1.5 (1.2-1.9) | 1.0 (0.8-1.3) | 0.7 (0.6-0.9) | 0.5 (0.4-0.6) |
| 3              | 29 (23-36)                 | 22 (17-27)  | 16 (12-19)    | 11 (8.4-14)   | 7.5 (5.7-9.5) | 5.1 (3.9-6.5) | 3.4 (2.6-4.4) | 2.3 (1.8-3.0) | 1.6 (1.2-2.1) | 1.1 (0.8-1.4) | 0.7 (0.6-1.0) |
| 4              | 39 (31-45)                 | 30 (24-36)  | 22 (17-27)    | 16 (12-20)    | 11 (8.5-14)   | 7.8 (5.8-9.6) | 5.3 (4.0-6.5) | 3.6 (2.7-4.5) | 2.5 (1.9-3.1) | 1.7 (1.3-2.1) | 1.2 (0.9-1.5) |
| 5              | 49 (41-53)                 | 40 (32-44)  | 31 (24-34)    | 23 (18-26)    | 17 (13-19)    | 12 (8.8-13)   | 8.1 (6.0-9.1) | 5.6 (4.2-6.3) | 3.9 (2.9-4.4) | 2.7 (2.0-3.0) | 1.9 (1.4-2.1) |
| 6              | 59                         | 50          | 40            | 32            | 24            | 17            | 12            | 8.6           | 6.1           | 4.2           | 2.9           |

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

**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              | 10                         | 7.3         | 5.3          | 3.8          | 2.7          | 1.9           | 1.3           | 1.0           | 0.7           | 0.5           | 0.4           |
| 1              | 17 (12-32)                 | 13 (9.3-26) | 9.4 (6.8-20) | 6.9 (4.9-15) | 5.0 (3.5-11) | 3.5 (2.5-7.8) | 2.5 (1.8-5.6) | 1.8 (1.3-4.1) | 1.3 (1.0-3.0) | 1.0 (0.7-2.2) | 0.7 (0.5-1.6) |
| 2              | 25 (16-41)                 | 20 (12-34)  | 15 (9.2-27)  | 11 (6.7-21)  | 8.5 (4.9-16) | 6.2 (3.5-11)  | 4.4 (2.5-8.3) | 3.3 (1.8-6.1) | 2.4 (1.3-4.5) | 1.7 (1.0-3.3) | 1.3 (0.7-2.4) |
| 3              | 35 (21-49)                 | 29 (16-42)  | 23 (12-34)   | 18 (9.3-27)  | 14 (6.8-21)  | 10 (4.9-16)   | 7.4 (3.6-12)  | 5.5 (2.6-8.9) | 4.1 (1.9-6.7) | 3.0 (1.4-4.9) | 2.2 (1.0-3.6) |
| 4              | 45 (27-57)                 | 39 (22-50)  | 32 (17-42)   | 26 (13-34)   | 20 (9.4-27)  | 16 (6.9-21)   | 12 (5.0-16)   | 8.8 (3.7-12)  | 6.6 (2.8-9.3) | 4.9 (2.0-6.9) | 3.6 (1.5-5.1) |
| 5              | 56 (36-63)                 | 49 (29-56)  | 42 (23-49)   | 35 (18-42)   | 29 (14-34)   | 23 (10-27)    | 18 (7.4-21)   | 14 (5.6-17)   | 10 (4.1-13)   | 7.9 (3.1-9.5) | 5.9 (2.3-7.1) |
| 6              | 66                         | 60          | 53           | 46           | 38           | 32            | 25            | 20            | 16            | 12            | 9.1           |

**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              | 11                         | 8.1        | 6.1         | 4.6          | 3.5          | 2.6          | 1.9           | 1.5           | 1.1           | 0.9           | 0.7           |
| 1              | 17 (13-34)                 | 14 (10-28) | 11 (7.8-22) | 8.2 (5.9-17) | 6.3 (4.5-14) | 4.7 (3.4-10) | 3.6 (2.5-8.0) | 2.8 (1.9-6.2) | 2.1 (1.5-4.8) | 1.6 (1.1-3.7) | 1.2 (0.9-2.8) |
| 2              | 26 (17-43)                 | 21 (13-36) | 17 (10-30)  | 13 (7.7-24)  | 10 (5.8-19)  | 8.0 (4.4-15) | 6.1 (3.3-12)  | 4.8 (2.6-9.1) | 3.7 (2.0-7.1) | 2.9 (1.5-5.5) | 2.2 (1.2-4.2) |
| 3              | 36 (22-51)                 | 30 (17-44) | 25 (14-38)  | 20 (10-31)   | 16 (8.1-26)  | 13 (6.1-20)  | 9.9 (4.7-16)  | 7.8 (3.6-13)  | 6.1 (2.8-10)  | 4.8 (2.1-8.0) | 3.7 (1.6-6.2) |
| 4              | 47 (28-58)                 | 40 (23-52) | 35 (18-45)  | 29 (14-39)   | 24 (11-32)   | 19 (8.5-27)  | 15 (6.5-21)   | 12 (5.1-17)   | 9.7 (4.0-14)  | 7.6 (3.1-11)  | 6.0 (2.4-8.6) |
| 5              | 57 (36-63)                 | 51 (30-58) | 45 (25-52)  | 39 (20-45)   | 33 (16-38)   | 27 (12-32)   | 22 (9.6-26)   | 18 (7.6-22)   | 15 (5.9-18)   | 12 (4.6-14)   | 9.3 (3.6-11)  |
| 6              | 66                         | 62         | 56          | 50           | 43           | 37           | 31            | 26            | 21            | 17            | 14            |

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

**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              | 8.9                        | 7.0         | 5.5          | 4.4          | 3.4          | 2.7          | 2.1           | 1.7           | 1.4           | 1.1           | 0.9           |
| 1              | 15 (11-30)                 | 12 (9.0-25) | 9.8 (7.2-21) | 7.8 (5.7-17) | 6.2 (4.5-13) | 4.9 (3.5-11) | 3.9 (2.8-8.7) | 3.2 (2.2-7.0) | 2.5 (1.8-5.7) | 2.0 (1.4-4.6) | 1.6 (1.1-3.7) |
| 2              | 23 (14-39)                 | 19 (12-34)  | 16 (9.2-28)  | 13 (7.4-23)  | 10 (5.8-19)  | 8.3 (4.6-16) | 6.7 (3.7-13)  | 5.5 (3.0-10)  | 4.4 (2.4-8.5) | 3.6 (1.9-6.9) | 2.9 (1.5-5.6) |
| 3              | 33 (19-47)                 | 28 (16-42)  | 24 (13-36)   | 20 (10-31)   | 16 (8.1-26)  | 13 (6.4-21)  | 11 (5.1-18)   | 8.9 (4.1-15)  | 7.3 (3.4-12)  | 6.0 (2.7-10)  | 4.8 (2.2-8.1) |
| 4              | 44 (25-55)                 | 38 (21-50)  | 33 (17-44)   | 29 (14-38)   | 24 (11-33)   | 20 (9.0-28)  | 17 (7.3-23)   | 14 (5.9-20)   | 12 (4.8-16)   | 9.5 (3.9-14)  | 7.8 (3.2-11)  |
| 5              | 54 (34-61)                 | 49 (29-56)  | 44 (24-50)   | 39 (20-45)   | 34 (16-39)   | 29 (13-34)   | 24 (11-29)    | 21 (8.8-24)   | 17 (7.2-21)   | 15 (5.9-17)   | 12 (4.8-14)   |
| 6              | 64                         | 60          | 55           | 50           | 45           | 39           | 34            | 29            | 25            | 21            | 18            |

**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              | 5.7                        | 4.7          | 3.9          | 3.1          | 2.6          | 2.1           | 1.7           | 1.5           | 1.2           | 1.0           | 0.9           |
| 1              | 10 (7.4-21)                | 8.4 (6.1-18) | 7.0 (5.0-15) | 5.8 (4.1-13) | 4.7 (3.4-10) | 3.9 (2.7-8.6) | 3.3 (2.3-7.3) | 2.7 (1.9-6.2) | 2.3 (1.6-5.2) | 1.9 (1.4-4.4) | 1.6 (1.1-3.7) |
| 2              | 16 (9.6-29)                | 14 (8.0-25)  | 12 (6.6-21)  | 9.7 (5.4-18) | 8.1 (4.5-15) | 6.7 (3.7-13)  | 5.7 (3.1-11)  | 4.8 (2.6-9.1) | 4.1 (2.2-7.7) | 3.4 (1.8-6.6) | 2.9 (1.5-5.5) |
| 3              | 25 (13-37)                 | 21 (11-33)   | 18 (9.1-28)  | 15 (7.6-25)  | 13 (6.2-21)  | 11 (5.1-18)   | 9.3 (4.3-15)  | 7.9 (3.6-13)  | 6.7 (3.1-11)  | 5.7 (2.6-9.5) | 4.8 (2.2-8.1) |
| 4              | 34 (18-45)                 | 30 (15-41)   | 27 (13-36)   | 23 (11-32)   | 20 (8.9-27)  | 17 (7.4-23)   | 14 (6.2-20)   | 12 (5.3-18)   | 11 (4.5-15)   | 9.1 (3.8-13)  | 7.8 (3.2-11)  |
| 5              | 45 (25-52)                 | 41 (21-47)   | 37 (18-42)   | 33 (15-38)   | 28 (13-33)   | 25 (11-29)    | 22 (9.2-25)   | 19 (7.8-22)   | 16 (6.7-19)   | 14 (5.7-17)   | 12 (4.8-14)   |
| 6              | 56                         | 52           | 48           | 43           | 39           | 34            | 31            | 27            | 24            | 21            | 18            |