

**Belgium - 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 Belgium. 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              | 19                         | 10         | 5.6          | 3.0           | 1.6           | 0.8           | 0.4           | 0.2           | 0.1           | 0.1           | 0.0           |  |
| 1              | 28 (20-36)                 | 16 (11-21) | 8.9 (5.9-12) | 4.7 (3.1-6.2) | 2.5 (1.6-3.3) | 1.3 (0.9-1.7) | 0.7 (0.5-0.9) | 0.4 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.1) | 0.1 (0.0-0.1) |  |
| 2              | 41 (27-55)                 | 24 (15-35) | 14 (8.3-20)  | 7.5 (4.4-11)  | 4.0 (2.3-6.1) | 2.1 (1.2-3.2) | 1.1 (0.6-1.7) | 0.6 (0.3-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.1) |  |
| 3              | 55 (38-72)                 | 35 (22-51) | 21 (12-32)   | 12 (6.7-18)   | 6.3 (3.5-10)  | 3.3 (1.9-5.4) | 1.8 (1.0-2.9) | 0.9 (0.5-1.5) | 0.5 (0.3-0.8) | 0.3 (0.2-0.4) | 0.1 (0.1-0.2) |  |
| 4              | 70 (55-84)                 | 49 (35-65) | 30 (20-44)   | 17 (11-26)    | 9.6 (6.0-15)  | 5.2 (3.2-8.1) | 2.7 (1.7-4.4) | 1.4 (0.9-2.3) | 0.8 (0.5-1.2) | 0.4 (0.3-0.7) | 0.2 (0.1-0.4) |  |
| 5              | 82 (74-90)                 | 64 (53-76) | 43 (34-55)   | 26 (19-35)    | 15 (11-21)    | 7.9 (5.8-11)  | 4.2 (3.1-6.1) | 2.2 (1.6-3.3) | 1.2 (0.9-1.8) | 0.6 (0.5-1.0) | 0.4 (0.3-0.5) |  |
| 6              | 90                         | 78         | 57           | 37            | 21            | 12            | 6.4           | 3.4           | 1.8           | 1.0           | 0.5           |  |

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

**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              | 18                         | 10         | 5.8          | 3.2           | 1.8           | 1.0           | 0.5           | 0.3           | 0.2           | 0.1           | 0.1           |
| 1              | 27 (19-33)                 | 16 (11-19) | 9.0 (6.1-11) | 5.0 (3.4-6.2) | 2.8 (1.8-3.4) | 1.5 (1.0-1.9) | 0.8 (0.6-1.0) | 0.4 (0.3-0.6) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) | 0.1 (0.1-0.1) |
| 2              | 38 (26-51)                 | 24 (15-32) | 14 (8.6-19)  | 7.8 (4.8-11)  | 4.3 (2.6-6.2) | 2.4 (1.4-3.4) | 1.3 (0.8-1.9) | 0.7 (0.4-1.0) | 0.4 (0.2-0.6) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 3              | 52 (37-67)                 | 34 (22-47) | 20 (13-30)   | 12 (7.2-18)   | 6.6 (4.0-10)  | 3.7 (2.2-5.7) | 2.0 (1.2-3.2) | 1.1 (0.7-1.7) | 0.6 (0.4-1.0) | 0.3 (0.2-0.6) | 0.2 (0.1-0.3) |
| 4              | 66 (53-79)                 | 46 (34-61) | 29 (21-42)   | 18 (12-26)    | 10 (6.6-15)   | 5.6 (3.7-8.6) | 3.1 (2.0-4.8) | 1.7 (1.1-2.6) | 1.0 (0.6-1.5) | 0.5 (0.4-0.8) | 0.3 (0.2-0.5) |
| 5              | 78 (71-86)                 | 60 (52-72) | 41 (34-53)   | 25 (20-34)    | 15 (12-21)    | 8.5 (6.6-12)  | 4.7 (3.7-6.7) | 2.6 (2.0-3.7) | 1.5 (1.1-2.1) | 0.8 (0.6-1.2) | 0.5 (0.4-0.7) |
| 6              | 87                         | 74         | 54           | 36            | 22            | 13            | 7.1           | 3.9           | 2.2           | 1.3           | 0.7           |

**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              | 15                         | 9.1         | 5.4           | 3.2           | 1.8           | 1.1           | 0.6           | 0.4           | 0.2           | 0.1           | 0.1           |
| 1              | 22 (16-26)                 | 14 (9.6-16) | 8.2 (5.7-9.6) | 4.8 (3.3-5.7) | 2.8 (1.9-3.3) | 1.6 (1.1-1.9) | 1.0 (0.7-1.1) | 0.6 (0.4-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) |
| 2              | 32 (22-41)                 | 20 (13-27)  | 12 (7.9-17)   | 7.3 (4.7-10)  | 4.3 (2.7-5.9) | 2.5 (1.6-3.5) | 1.5 (0.9-2.0) | 0.9 (0.5-1.2) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.2 (0.1-0.3) |
| 3              | 43 (31-55)                 | 28 (20-39)  | 18 (12-25)    | 11 (7.1-16)   | 6.5 (4.1-9.5) | 3.8 (2.4-5.7) | 2.2 (1.4-3.3) | 1.3 (0.8-1.9) | 0.8 (0.5-1.2) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) |
| 4              | 55 (45-68)                 | 39 (30-51)  | 26 (19-35)    | 16 (11-23)    | 9.7 (6.8-14)  | 5.7 (4.0-8.5) | 3.4 (2.3-5.0) | 2.0 (1.4-3.0) | 1.2 (0.8-1.8) | 0.7 (0.5-1.1) | 0.4 (0.3-0.6) |
| 5              | 68 (62-77)                 | 51 (45-62)  | 35 (30-46)    | 23 (19-31)    | 14 (12-19)    | 8.5 (7.0-12)  | 5.0 (4.2-7.1) | 3.0 (2.4-4.2) | 1.8 (1.5-2.5) | 1.1 (0.9-1.5) | 0.6 (0.5-0.9) |
| 6              | 78                         | 64          | 47            | 32            | 20            | 12            | 7.4           | 4.4           | 2.7           | 1.6           | 1.0           |

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

**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              | 13                         | 8.4         | 5.3           | 3.3           | 2.0           | 1.2           | 0.8           | 0.5           | 0.3           | 0.2           | 0.1           |
| 1              | 19 (14-22)                 | 12 (8.8-14) | 7.8 (5.5-9.0) | 4.9 (3.4-5.7) | 3.0 (2.1-3.5) | 1.9 (1.3-2.2) | 1.2 (0.8-1.4) | 0.7 (0.5-0.8) | 0.5 (0.3-0.5) | 0.3 (0.2-0.3) | 0.2 (0.1-0.2) |
| 2              | 27 (19-33)                 | 18 (12-22)  | 11 (7.7-15)   | 7.2 (4.8-9.3) | 4.5 (3.0-5.9) | 2.8 (1.9-3.7) | 1.7 (1.1-2.3) | 1.1 (0.7-1.4) | 0.7 (0.5-0.9) | 0.4 (0.3-0.6) | 0.3 (0.2-0.4) |
| 3              | 36 (27-45)                 | 25 (18-32)  | 16 (12-22)    | 10 (7.3-14)   | 6.6 (4.5-9.1) | 4.1 (2.8-5.7) | 2.6 (1.7-3.6) | 1.6 (1.1-2.3) | 1.0 (0.7-1.5) | 0.7 (0.4-0.9) | 0.4 (0.3-0.6) |
| 4              | 46 (39-57)                 | 33 (27-43)  | 23 (18-30)    | 15 (11-21)    | 9.6 (7.2-13)  | 6.1 (4.5-8.6) | 3.8 (2.8-5.4) | 2.4 (1.8-3.4) | 1.5 (1.1-2.2) | 1.0 (0.7-1.4) | 0.6 (0.5-0.9) |
| 5              | 57 (53-66)                 | 44 (40-53)  | 31 (28-39)    | 21 (18-28)    | 14 (12-18)    | 8.8 (7.5-12)  | 5.5 (4.7-7.6) | 3.5 (2.9-4.8) | 2.2 (1.9-3.1) | 1.4 (1.2-2.0) | 0.9 (0.8-1.3) |
| 6              | 67                         | 55          | 41            | 29            | 19            | 13            | 8.0           | 5.1           | 3.3           | 2.1           | 1.3           |

**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              | 13                         | 8.9        | 5.9          | 3.9           | 2.6           | 1.7           | 1.1           | 0.7           | 0.5           | 0.3           | 0.2           |
| 1              | 20 (18-25)                 | 14 (12-18) | 9.5 (8.3-12) | 6.3 (5.5-8.2) | 4.2 (3.6-5.4) | 2.8 (2.4-3.6) | 1.8 (1.6-2.4) | 1.2 (1.0-1.6) | 0.8 (0.7-1.1) | 0.5 (0.5-0.7) | 0.4 (0.3-0.5) |
| 2              | 30 (25-37)                 | 21 (18-27) | 15 (12-19)   | 10 (8.3-13)   | 6.7 (5.5-9.0) | 4.5 (3.6-6.0) | 3.0 (2.4-4.0) | 2.0 (1.6-2.7) | 1.3 (1.1-1.8) | 0.9 (0.7-1.2) | 0.6 (0.5-0.8) |
| 3              | 41 (35-48)                 | 31 (25-37) | 22 (18-27)   | 16 (12-19)    | 11 (8.3-13)   | 7.2 (5.5-9.1) | 4.8 (3.7-6.1) | 3.2 (2.4-4.1) | 2.2 (1.7-2.8) | 1.5 (1.1-1.9) | 1.0 (0.8-1.3) |
| 4              | 53 (46-60)                 | 43 (35-49) | 32 (26-37)   | 23 (18-28)    | 16 (12-19)    | 11 (8.4-13)   | 7.6 (5.6-9.1) | 5.2 (3.8-6.2) | 3.5 (2.6-4.2) | 2.4 (1.8-2.9) | 1.6 (1.2-2.0) |
| 5              | 64 (57-68)                 | 55 (47-58) | 44 (36-47)   | 33 (27-36)    | 24 (19-27)    | 17 (13-19)    | 12 (9.1-13)   | 8.2 (6.2-9.2) | 5.6 (4.3-6.4) | 3.9 (2.9-4.4) | 2.6 (2.0-3.0) |
| 6              | 73                         | 65         | 56           | 45            | 35            | 25            | 18            | 13            | 8.9           | 6.2           | 4.2           |

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

**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              | 14                         | 10         | 7.1         | 5.0          | 3.5          | 2.4          | 1.7           | 1.2           | 0.9           | 0.6           | 0.4           |
| 1              | 23 (19-43)                 | 18 (14-34) | 13 (9.9-26) | 9.3 (7.0-19) | 6.7 (4.9-14) | 4.7 (3.4-10) | 3.3 (2.4-7.1) | 2.4 (1.7-5.2) | 1.7 (1.2-3.7) | 1.2 (0.9-2.7) | 0.9 (0.6-1.9) |
| 2              | 35 (25-54)                 | 28 (19-45) | 21 (14-36)  | 16 (9.8-28)  | 12 (6.9-21)  | 8.4 (4.9-16) | 6.0 (3.4-11)  | 4.3 (2.4-8.3) | 3.1 (1.8-6.0) | 2.3 (1.3-4.4) | 1.6 (0.9-3.2) |
| 3              | 48 (32-63)                 | 40 (25-55) | 32 (19-47)  | 25 (14-38)   | 19 (9.9-29)  | 14 (7.1-22)  | 10 (5.0-16)   | 7.5 (3.6-12)  | 5.5 (2.6-9.0) | 4.0 (1.9-6.6) | 2.9 (1.4-4.8) |
| 4              | 60 (41-70)                 | 52 (33-63) | 44 (26-55)  | 36 (20-47)   | 29 (14-38)   | 22 (10-29)   | 17 (7.5-22)   | 12 (5.4-17)   | 9.2 (3.9-13)  | 6.8 (2.9-9.3) | 4.9 (2.1-6.9) |
| 5              | 70 (51-76)                 | 64 (43-70) | 57 (35-63)  | 49 (27-55)   | 41 (21-47)   | 33 (16-38)   | 25 (11-29)    | 20 (8.4-23)   | 15 (6.2-17)   | 11 (4.5-13)   | 8.2 (3.3-9.6) |
| 6              | 78                         | 74         | 68          | 61           | 53           | 45           | 37            | 29            | 23            | 18            | 13            |

**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              | 14                         | 11         | 8.0        | 6.0         | 4.5          | 3.3          | 2.4          | 1.9           | 1.4           | 1.1           | 0.8           |
| 1              | 23 (18-42)                 | 18 (14-35) | 14 (10-28) | 11 (7.8-22) | 8.1 (5.8-17) | 6.1 (4.3-13) | 4.6 (3.2-10) | 3.5 (2.4-7.7) | 2.7 (1.8-5.9) | 2.0 (1.4-4.5) | 1.5 (1.1-3.4) |
| 2              | 33 (22-52)                 | 27 (18-45) | 22 (14-38) | 18 (10-31)  | 14 (7.9-24)  | 10 (6.0-19)  | 8.0 (4.5-15) | 6.2 (3.4-12)  | 4.8 (2.6-9.1) | 3.6 (2.0-7.0) | 2.8 (1.5-5.4) |
| 3              | 44 (29-60)                 | 38 (23-54) | 32 (18-47) | 26 (14-40)  | 21 (11-33)   | 17 (8.3-27)  | 13 (6.3-21)  | 10 (4.8-17)   | 8.0 (3.7-13)  | 6.2 (2.8-10)  | 4.8 (2.2-8.0) |
| 4              | 56 (36-67)                 | 50 (30-61) | 43 (25-55) | 37 (20-48)  | 31 (15-41)   | 25 (12-34)   | 20 (9.1-28)  | 16 (7.1-23)   | 13 (5.5-18)   | 10 (4.3-14)   | 7.8 (3.3-11)  |
| 5              | 66 (46-72)                 | 60 (39-67) | 54 (33-61) | 48 (27-55)  | 42 (22-48)   | 35 (17-41)   | 29 (13-34)   | 24 (10-28)    | 19 (8.2-23)   | 16 (6.4-19)   | 12 (4.9-15)   |
| 6              | 74                         | 70         | 65         | 59          | 53           | 46           | 40           | 34            | 28            | 23            | 19            |

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

**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              | 12                         | 9.7        | 7.6         | 6.0         | 4.7          | 3.6          | 2.9          | 2.3           | 1.8           | 1.5           | 1.2           |
| 1              | 20 (16-38)                 | 17 (12-33) | 13 (9.9-27) | 11 (7.8-22) | 8.5 (6.1-18) | 6.7 (4.8-14) | 5.3 (3.8-12) | 4.3 (3.0-9.4) | 3.4 (2.4-7.6) | 2.8 (1.9-6.1) | 2.2 (1.5-4.9) |
| 2              | 30 (20-49)                 | 25 (16-43) | 21 (13-36)  | 17 (10-31)  | 14 (8.2-25)  | 11 (6.4-21)  | 9.2 (5.1-17) | 7.5 (4.1-14)  | 6.0 (3.3-11)  | 4.9 (2.7-9.2) | 3.9 (2.1-7.5) |
| 3              | 41 (26-57)                 | 36 (21-51) | 31 (17-46)  | 26 (14-40)  | 22 (11-34)   | 18 (9.0-28)  | 15 (7.2-24)  | 12 (5.8-20)   | 10 (4.7-16)   | 8.1 (3.8-14)  | 6.6 (3.0-11)  |
| 4              | 53 (34-64)                 | 48 (28-59) | 42 (24-54)  | 37 (19-48)  | 31 (16-42)   | 27 (13-36)   | 22 (10-31)   | 19 (8.4-26)   | 16 (6.9-22)   | 13 (5.6-18)   | 11 (4.5-15)   |
| 5              | 63 (43-69)                 | 59 (37-65) | 54 (32-60)  | 48 (27-55)  | 43 (22-49)   | 37 (18-43)   | 32 (15-37)   | 28 (12-32)    | 23 (10-27)    | 20 (8.3-23)   | 16 (6.7-19)   |
| 6              | 72                         | 69         | 64          | 60          | 54           | 49           | 43           | 38            | 33            | 29            | 24            |

**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              | 8.4                        | 6.9         | 5.7         | 4.7          | 3.8          | 3.1          | 2.6          | 2.2           | 1.8           | 1.5           | 1.3           |
| 1              | 14 (11-29)                 | 12 (8.9-25) | 10 (7.4-21) | 8.4 (6.1-18) | 6.9 (5.0-15) | 5.7 (4.1-12) | 4.8 (3.4-11) | 4.0 (2.8-8.9) | 3.4 (2.4-7.6) | 2.9 (2.0-6.4) | 2.4 (1.7-5.4) |
| 2              | 23 (14-38)                 | 19 (12-34)  | 16 (9.6-29) | 14 (8.0-25)  | 12 (6.6-21)  | 9.7 (5.4-18) | 8.2 (4.5-15) | 7.0 (3.8-13)  | 5.9 (3.2-11)  | 5.0 (2.7-9.5) | 4.2 (2.3-8.0) |
| 3              | 33 (19-47)                 | 29 (16-43)  | 25 (13-38)  | 21 (11-33)   | 18 (9.1-29)  | 15 (7.5-25)  | 13 (6.4-21)  | 11 (5.4-19)   | 9.7 (4.5-16)  | 8.3 (3.8-14)  | 7.0 (3.2-12)  |
| 4              | 44 (25-56)                 | 39 (22-51)  | 35 (18-46)  | 31 (15-41)   | 27 (13-36)   | 23 (11-32)   | 20 (9.1-28)  | 18 (7.8-25)   | 15 (6.6-21)   | 13 (5.6-19)   | 11 (4.7-16)   |
| 5              | 55 (34-61)                 | 51 (29-57)  | 46 (25-53)  | 42 (22-48)   | 37 (18-43)   | 33 (16-38)   | 29 (13-34)   | 26 (11-30)    | 23 (9.8-27)   | 20 (8.3-23)   | 17 (7.1-20)   |
| 6              | 65                         | 62          | 58          | 54           | 49           | 44           | 40           | 36            | 32            | 29            | 25            |