

Israel - 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 Israel. 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 | 16 | 8.7 | 4.7 | 2.5 | 1.3 | 0.7 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1 | 24 (17-31) | 14 (9.1-18) | 7.4 (4.9-9.7) | 4.0 (2.6-5.2) | 2.1 (1.4-2.7) | 1.1 (0.7-1.4) | 0.6 (0.4-0.8) | 0.3 (0.2-0.4) | 0.2 (0.1-0.2) | 0.1 (0.1-0.1) | 0.0 (0.0-0.1) |
| 2 | 36 (23-49) | 21 (13-30) | 12 (6.9-17) | 6.3 (3.7-9.4) | 3.3 (1.9-5.1) | 1.8 (1.0-2.7) | 0.9 (0.5-1.4) | 0.5 (0.3-0.7) | 0.3 (0.2-0.4) | 0.1 (0.1-0.2) | 0.1 (0.0-0.1) |
| 3 | 49 (33-67) | 31 (19-46) | 18 (10-28) | 9.7 (5.5-16) | 5.2 (2.9-8.5) | 2.8 (1.5-4.5) | 1.5 (0.8-2.4) | 0.8 (0.4-1.3) | 0.4 (0.2-0.7) | 0.2 (0.1-0.4) | 0.1 (0.1-0.2) |
| 4 | 64 (49-80) | 43 (30-60) | 26 (17-39) | 15 (9.3-23) | 8.1 (5.0-13) | 4.3 (2.6-6.8) | 2.3 (1.4-3.6) | 1.2 (0.7-1.9) | 0.6 (0.4-1.0) | 0.3 (0.2-0.6) | 0.2 (0.1-0.3) |
| 5 | 78 (70-88) | 58 (48-72) | 37 (29-50) | 22 (17-31) | 12 (9.1-18) | 6.6 (4.8-9.6) | 3.5 (2.6-5.1) | 1.9 (1.4-2.7) | 1.0 (0.7-1.5) | 0.5 (0.4-0.8) | 0.3 (0.2-0.4) |
| 6 | 89 | 73 | 51 | 32 | 18 | 10 | 5.4 | 2.9 | 1.5 | 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 Israel.

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 | 17 | 9.9 | 5.5 | 3.0 | 1.7 | 0.9 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 |
| 1 | 26 (18-31) | 15 (10-19) | 8.6 (5.8-11) | 4.8 (3.2-5.9) | 2.6 (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 | 37 (25-49) | 23 (14-31) | 13 (8.1-19) | 7.4 (4.5-11) | 4.1 (2.5-5.9) | 2.2 (1.4-3.3) | 1.2 (0.7-1.8) | 0.7 (0.4-1.0) | 0.4 (0.2-0.5) | 0.2 (0.1-0.3) | 0.1 (0.1-0.2) |
| 3 | 50 (35-66) | 33 (21-46) | 20 (12-29) | 11 (6.8-17) | 6.3 (3.8-9.8) | 3.5 (2.0-5.5) | 1.9 (1.1-3.0) | 1.0 (0.6-1.6) | 0.6 (0.3-0.9) | 0.3 (0.2-0.5) | 0.2 (0.1-0.3) |
| 4 | 64 (51-79) | 45 (33-60) | 28 (20-40) | 17 (11-25) | 9.6 (6.3-15) | 5.3 (3.5-8.2) | 2.9 (1.9-4.6) | 1.6 (1.0-2.5) | 0.9 (0.6-1.4) | 0.5 (0.3-0.8) | 0.3 (0.2-0.4) |
| 5 | 77 (71-86) | 59 (51-71) | 40 (33-52) | 24 (20-33) | 14 (11-20) | 8.1 (6.3-11) | 4.5 (3.5-6.4) | 2.5 (1.9-3.6) | 1.4 (1.1-2.0) | 0.8 (0.6-1.1) | 0.4 (0.3-0.6) |
| 6 | 87 | 73 | 53 | 35 | 21 | 12 | 6.8 | 3.7 | 2.1 | 1.2 | 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 | 17 | 11 | 6.2 | 3.6 | 2.1 | 1.2 | 0.7 | 0.4 | 0.3 | 0.2 | 0.1 |
| 1 | 25 (18-29) | 16 (11-18) | 9.5 (6.5-11) | 5.6 (3.8-6.5) | 3.3 (2.2-3.8) | 1.9 (1.3-2.2) | 1.1 (0.8-1.3) | 0.6 (0.4-0.8) | 0.4 (0.3-0.4) | 0.2 (0.2-0.3) | 0.1 (0.1-0.2) |
| 2 | 36 (25-46) | 23 (15-30) | 14 (9.1-19) | 8.5 (5.4-12) | 5.0 (3.2-6.9) | 2.9 (1.8-4.0) | 1.7 (1.1-2.3) | 1.0 (0.6-1.4) | 0.6 (0.4-0.8) | 0.4 (0.2-0.5) | 0.2 (0.1-0.3) |
| 3 | 48 (35-61) | 32 (22-44) | 21 (14-29) | 13 (8.1-18) | 7.5 (4.8-11) | 4.4 (2.8-6.6) | 2.6 (1.6-3.9) | 1.5 (0.9-2.3) | 0.9 (0.6-1.4) | 0.5 (0.3-0.8) | 0.3 (0.2-0.5) |
| 4 | 61 (50-73) | 44 (34-57) | 29 (22-40) | 18 (13-26) | 11 (7.9-16) | 6.7 (4.6-9.9) | 3.9 (2.7-5.9) | 2.3 (1.6-3.5) | 1.4 (0.9-2.1) | 0.8 (0.6-1.3) | 0.5 (0.3-0.8) |
| 5 | 73 (68-81) | 57 (51-68) | 40 (35-51) | 26 (22-35) | 16 (14-22) | 9.9 (8.2-14) | 5.9 (4.9-8.2) | 3.4 (2.8-4.9) | 2.1 (1.7-3.0) | 1.3 (1.0-1.8) | 0.8 (0.6-1.1) |
| 6 | 82 | 70 | 53 | 36 | 23 | 14 | 8.6 | 5.1 | 3.1 | 1.9 | 1.1 |

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

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 | 17 | 11 | 7.0 | 4.4 | 2.7 | 1.7 | 1.0 | 0.6 | 0.4 | 0.3 | 0.2 |
| 1 | 25 (18-28) | 16 (12-19) | 10 (7.4-12) | 6.5 (4.6-7.6) | 4.1 (2.8-4.8) | 2.5 (1.8-3.0) | 1.5 (1.1-1.8) | 1.0 (0.7-1.1) | 0.6 (0.4-0.7) | 0.4 (0.3-0.5) | 0.2 (0.2-0.3) |
| 2 | 34 (25-42) | 23 (16-29) | 15 (10-19) | 9.6 (6.4-12) | 6.1 (4.0-7.9) | 3.8 (2.5-4.9) | 2.3 (1.5-3.0) | 1.5 (0.9-1.9) | 0.9 (0.6-1.2) | 0.6 (0.4-0.8) | 0.4 (0.2-0.5) |
| 3 | 45 (35-55) | 32 (23-41) | 21 (15-28) | 14 (9.7-19) | 8.9 (6.1-12) | 5.6 (3.8-7.8) | 3.5 (2.3-4.9) | 2.2 (1.4-3.1) | 1.4 (0.9-2.0) | 0.9 (0.6-1.3) | 0.6 (0.4-0.8) |
| 4 | 57 (48-67) | 42 (34-53) | 30 (23-39) | 20 (15-27) | 13 (9.7-18) | 8.2 (6.1-12) | 5.1 (3.8-7.4) | 3.2 (2.4-4.7) | 2.1 (1.5-3.0) | 1.3 (1.0-1.9) | 0.8 (0.6-1.2) |
| 5 | 67 (64-75) | 54 (49-64) | 40 (35-49) | 28 (24-36) | 18 (16-24) | 12 (10-16) | 7.5 (6.3-10) | 4.7 (4.0-6.6) | 3.0 (2.5-4.2) | 1.9 (1.6-2.7) | 1.2 (1.0-1.7) |
| 6 | 76 | 65 | 51 | 37 | 25 | 17 | 11 | 6.9 | 4.4 | 2.8 | 1.8 |

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 | 18 | 12 | 8.0 | 5.3 | 3.5 | 2.3 | 1.5 | 1.0 | 0.7 | 0.4 | 0.3 |
| 1 | 27 (24-33) | 19 (17-24) | 13 (11-16) | 8.6 (7.4-11) | 5.7 (4.9-7.3) | 3.8 (3.2-4.8) | 2.5 (2.1-3.2) | 1.6 (1.4-2.1) | 1.1 (0.9-1.4) | 0.7 (0.6-1.0) | 0.5 (0.4-0.6) |
| 2 | 39 (33-47) | 28 (24-36) | 20 (16-26) | 14 (11-18) | 9.2 (7.4-12) | 6.1 (4.9-8.2) | 4.0 (3.2-5.4) | 2.7 (2.1-3.7) | 1.8 (1.4-2.5) | 1.2 (1.0-1.7) | 0.8 (0.6-1.1) |
| 3 | 52 (45-60) | 40 (34-48) | 30 (24-36) | 21 (17-26) | 15 (11-18) | 9.8 (7.4-12) | 6.5 (4.9-8.3) | 4.4 (3.3-5.7) | 3.0 (2.2-3.9) | 2.0 (1.5-2.6) | 1.4 (1.0-1.8) |
| 4 | 65 (57-70) | 54 (45-60) | 42 (34-48) | 31 (24-36) | 22 (17-26) | 15 (12-18) | 10 (7.7-13) | 7.1 (5.2-8.6) | 4.9 (3.5-5.9) | 3.3 (2.4-4.1) | 2.2 (1.6-2.8) |
| 5 | 74 (68-77) | 66 (58-69) | 55 (47-58) | 44 (36-47) | 33 (26-36) | 23 (18-26) | 16 (13-18) | 11 (8.7-13) | 7.8 (6.0-8.9) | 5.3 (4.1-6.1) | 3.6 (2.8-4.2) |
| 6 | 81 | 75 | 67 | 57 | 45 | 34 | 25 | 17 | 12 | 8.5 | 5.9 |

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

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 | 18 | 13 | 9.3 | 6.5 | 4.6 | 3.2 | 2.2 | 1.6 | 1.1 | 0.8 | 0.6 |
| 1 | 30 (24-52) | 23 (18-42) | 17 (13-33) | 12 (9.1-25) | 8.6 (6.4-18) | 6.1 (4.5-13) | 4.3 (3.1-9.2) | 3.1 (2.2-6.6) | 2.2 (1.6-4.8) | 1.6 (1.1-3.4) | 1.1 (0.8-2.4) |
| 2 | 43 (32-63) | 35 (24-54) | 27 (18-45) | 20 (13-36) | 15 (9.0-27) | 11 (6.3-20) | 7.8 (4.4-15) | 5.6 (3.1-11) | 4.1 (2.2-7.9) | 2.9 (1.6-5.7) | 2.1 (1.1-4.1) |
| 3 | 57 (41-72) | 48 (32-65) | 40 (24-56) | 32 (18-47) | 24 (13-37) | 18 (9.3-28) | 13 (6.6-21) | 9.8 (4.8-16) | 7.2 (3.4-12) | 5.2 (2.4-8.5) | 3.7 (1.7-6.2) |
| 4 | 68 (51-78) | 61 (42-72) | 53 (34-65) | 45 (26-56) | 36 (19-46) | 28 (14-37) | 21 (9.8-28) | 16 (7.2-22) | 12 (5.2-17) | 8.9 (3.7-12) | 6.5 (2.7-9.1) |
| 5 | 77 (61-82) | 72 (53-78) | 66 (44-72) | 58 (35-65) | 50 (27-56) | 41 (21-46) | 32 (15-37) | 25 (11-29) | 19 (8.3-22) | 15 (6.1-17) | 11 (4.4-13) |
| 6 | 83 | 80 | 76 | 70 | 63 | 55 | 46 | 37 | 30 | 23 | 17 |

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 | 17 | 13 | 9.5 | 7.1 | 5.2 | 3.8 | 2.8 | 2.1 | 1.6 | 1.2 | 0.9 |
| 1 | 27 (21-49) | 21 (16-41) | 17 (12-33) | 13 (9.2-26) | 9.6 (6.8-20) | 7.2 (5.0-15) | 5.4 (3.7-12) | 4.1 (2.8-8.9) | 3.1 (2.1-6.8) | 2.4 (1.6-5.2) | 1.8 (1.2-3.9) |
| 2 | 39 (27-59) | 32 (22-52) | 26 (17-44) | 21 (13-36) | 16 (9.5-29) | 12 (7.1-23) | 9.4 (5.2-18) | 7.3 (4.0-14) | 5.6 (3.0-11) | 4.3 (2.3-8.3) | 3.2 (1.7-6.3) |
| 3 | 51 (35-67) | 45 (28-61) | 38 (22-54) | 31 (17-47) | 25 (13-39) | 20 (10-32) | 16 (7.6-25) | 12 (5.8-20) | 9.5 (4.4-16) | 7.3 (3.3-12) | 5.6 (2.5-9.4) |
| 4 | 63 (44-74) | 57 (37-68) | 50 (31-62) | 43 (24-56) | 36 (19-48) | 30 (15-40) | 24 (11-33) | 19 (8.6-27) | 15 (6.6-21) | 12 (5.1-17) | 9.3 (3.8-13) |
| 5 | 72 (54-77) | 67 (47-73) | 62 (40-68) | 56 (33-62) | 49 (27-55) | 42 (21-47) | 35 (17-40) | 29 (13-34) | 23 (10-28) | 19 (7.8-23) | 15 (6.0-18) |
| 6 | 79 | 76 | 72 | 67 | 61 | 54 | 47 | 40 | 34 | 28 | 23 |

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

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 | 13 | 10 | 7.8 | 6.1 | 4.7 | 3.7 | 2.9 | 2.3 | 1.8 | 1.4 | 1.1 |
| 1 | 21 (16-40) | 17 (13-34) | 14 (10-28) | 11 (7.9-23) | 8.7 (6.2-18) | 6.8 (4.8-15) | 5.4 (3.8-12) | 4.3 (3.0-9.5) | 3.5 (2.4-7.6) | 2.8 (1.9-6.1) | 2.2 (1.5-4.8) |
| 2 | 32 (21-51) | 27 (17-45) | 22 (14-38) | 18 (11-32) | 15 (8.6-26) | 12 (6.7-22) | 9.4 (5.3-18) | 7.6 (4.2-14) | 6.1 (3.4-12) | 4.9 (2.7-9.5) | 3.9 (2.1-7.6) |
| 3 | 44 (28-61) | 39 (23-55) | 33 (19-49) | 28 (15-42) | 23 (12-36) | 19 (9.4-30) | 15 (7.4-25) | 13 (6.0-21) | 10 (4.8-17) | 8.3 (3.8-14) | 6.7 (3.1-11) |
| 4 | 57 (37-69) | 51 (31-63) | 45 (26-58) | 39 (21-51) | 34 (17-45) | 28 (14-38) | 24 (11-32) | 20 (8.9-27) | 16 (7.2-23) | 13 (5.8-19) | 11 (4.6-15) |
| 5 | 68 (47-73) | 63 (41-69) | 58 (35-64) | 52 (29-58) | 46 (24-52) | 40 (20-46) | 34 (16-40) | 29 (13-34) | 25 (11-29) | 21 (8.8-25) | 17 (7.1-21) |
| 6 | 75 | 73 | 69 | 64 | 59 | 53 | 47 | 41 | 36 | 30 | 26 |

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 | 7.7 | 6.3 | 5.2 | 4.2 | 3.4 | 2.8 | 2.3 | 1.9 | 1.6 | 1.4 | 1.1 |
| 1 | 13 (10-27) | 11 (8.2-23) | 9.3 (6.7-20) | 7.7 (5.5-17) | 6.3 (4.5-14) | 5.2 (3.7-11) | 4.3 (3.0-9.6) | 3.7 (2.5-8.1) | 3.1 (2.1-6.8) | 2.6 (1.8-5.7) | 2.1 (1.5-4.8) |
| 2 | 21 (13-37) | 18 (11-32) | 15 (9.0-27) | 13 (7.4-23) | 11 (6.1-20) | 8.9 (5.0-17) | 7.5 (4.2-14) | 6.4 (3.5-12) | 5.4 (2.9-10) | 4.5 (2.5-8.6) | 3.8 (2.1-7.3) |
| 3 | 31 (18-46) | 27 (15-41) | 24 (12-36) | 20 (10-32) | 17 (8.5-27) | 14 (7.0-23) | 12 (5.8-20) | 11 (4.9-17) | 8.9 (4.1-15) | 7.6 (3.5-13) | 6.4 (2.9-11) |
| 4 | 43 (24-55) | 38 (21-50) | 34 (17-45) | 30 (15-40) | 26 (12-35) | 22 (10-30) | 19 (8.6-26) | 16 (7.3-23) | 14 (6.2-20) | 12 (5.2-17) | 10 (4.4-15) |
| 5 | 55 (33-61) | 50 (28-56) | 46 (24-52) | 41 (21-47) | 36 (18-42) | 32 (15-37) | 28 (13-33) | 25 (11-29) | 21 (9.1-25) | 19 (7.7-22) | 16 (6.6-19) |
| 6 | 65 | 62 | 57 | 53 | 48 | 43 | 39 | 35 | 31 | 27 | 24 |