

Tunisia - The probabilities of a major osteoporotic fracture in men

The following tables give the 10-year probability (%) of a major osteoporotic fracture (hip, clinical spine, forearm or proximal humerus 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 Tunisia. 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/m ²)						
	15	20	25	30	35	40	45
0	0.4	0.3	0.3	0.3	0.3	0.2	0.2
1	0.6 (0.4-0.9)	0.5 (0.4-0.8)	0.5 (0.4-0.7)	0.5 (0.3-0.6)	0.4 (0.3-0.6)	0.3 (0.2-0.5)	0.3 (0.2-0.4)
2	0.9 (0.5-1.6)	0.8 (0.4-1.5)	0.8 (0.4-1.4)	0.7 (0.4-1.3)	0.6 (0.3-1.1)	0.5 (0.3-1.0)	0.5 (0.2-0.8)
3	1.4 (0.7-2.5)	1.3 (0.6-2.4)	1.2 (0.6-2.3)	1.1 (0.5-2.0)	0.9 (0.4-1.7)	0.8 (0.4-1.5)	0.7 (0.3-1.3)
4	2.2 (1.2-3.6)	2.0 (1.0-3.3)	1.9 (1.0-3.2)	1.6 (0.8-2.7)	1.4 (0.7-2.4)	1.2 (0.6-2.1)	1.0 (0.5-1.8)
5	3.5 (2.0-4.7)	3.1 (1.9-4.2)	2.8 (1.8-3.9)	2.4 (1.6-3.3)	2.1 (1.4-2.9)	1.8 (1.2-2.5)	1.5 (1.0-2.2)
6	5.4	4.6	4.2	3.6	3.0	2.6	2.2

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

Age = 55 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.4	0.4	0.4	0.3	0.3	0.3	0.2
1	0.6 (0.4-1.0)	0.6 (0.4-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.7)	0.4 (0.3-0.6)	0.4 (0.3-0.5)	0.3 (0.2-0.5)
2	1.0 (0.6-1.7)	1.0 (0.5-1.6)	0.9 (0.5-1.6)	0.8 (0.4-1.4)	0.7 (0.4-1.2)	0.6 (0.3-1.0)	0.5 (0.3-0.9)
3	1.6 (0.9-2.7)	1.5 (0.8-2.6)	1.4 (0.7-2.5)	1.2 (0.6-2.2)	1.0 (0.5-1.9)	0.9 (0.4-1.6)	0.8 (0.4-1.4)
4	2.5 (1.4-3.9)	2.3 (1.2-3.7)	2.1 (1.1-3.5)	1.8 (0.9-3.0)	1.5 (0.8-2.6)	1.3 (0.7-2.2)	1.1 (0.6-1.9)
5	3.8 (2.3-5.2)	3.4 (2.1-4.7)	3.2 (2.1-4.3)	2.7 (1.8-3.7)	2.3 (1.5-3.2)	1.9 (1.3-2.7)	1.7 (1.1-2.3)
6	5.8	5.1	4.7	3.9	3.3	2.8	2.4

Age = 60 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.5	0.5	0.4	0.4	0.3	0.3
1	0.8 (0.5-1.1)	0.7 (0.5-1.0)	0.7 (0.5-1.0)	0.6 (0.4-0.9)	0.5 (0.4-0.7)	0.5 (0.3-0.6)	0.4 (0.3-0.5)
2	1.2 (0.7-1.9)	1.1 (0.6-1.9)	1.1 (0.6-1.9)	0.9 (0.5-1.6)	0.8 (0.4-1.4)	0.7 (0.4-1.2)	0.6 (0.3-1.0)
3	1.8 (1.0-2.8)	1.7 (1.0-2.8)	1.7 (0.9-2.9)	1.4 (0.7-2.5)	1.2 (0.6-2.1)	1.0 (0.5-1.8)	0.9 (0.4-1.5)
4	2.8 (1.6-4.2)	2.6 (1.5-4.1)	2.5 (1.4-4.1)	2.1 (1.1-3.4)	1.8 (1.0-2.9)	1.5 (0.8-2.5)	1.3 (0.7-2.1)
5	4.2 (2.5-5.7)	3.9 (2.5-5.3)	3.7 (2.5-5.1)	3.1 (2.1-4.3)	2.6 (1.7-3.6)	2.2 (1.5-3.1)	1.8 (1.2-2.6)
6	6.2	5.7	5.4	4.5	3.7	3.1	2.6

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

Age = 65 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.5	0.5	0.5	0.4	0.3	0.3
1	0.8 (0.6-1.2)	0.8 (0.5-1.1)	0.8 (0.5-1.1)	0.7 (0.5-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.7)	0.4 (0.3-0.6)
2	1.2 (0.8-1.9)	1.2 (0.7-2.0)	1.2 (0.7-2.0)	1.0 (0.6-1.7)	0.9 (0.5-1.5)	0.7 (0.4-1.2)	0.6 (0.3-1.1)
3	1.9 (1.1-2.9)	1.8 (1.1-2.9)	1.8 (1.0-3.0)	1.5 (0.9-2.5)	1.3 (0.7-2.1)	1.1 (0.6-1.8)	0.9 (0.5-1.5)
4	2.8 (1.7-4.1)	2.7 (1.7-4.1)	2.7 (1.6-4.2)	2.2 (1.3-3.5)	1.8 (1.0-3.0)	1.5 (0.8-2.5)	1.3 (0.7-2.1)
5	4.1 (2.7-5.6)	3.9 (2.6-5.4)	3.9 (2.7-5.4)	3.2 (2.2-4.5)	2.6 (1.8-3.7)	2.2 (1.5-3.1)	1.8 (1.2-2.6)
6	5.9	5.7	5.6	4.6	3.7	3.1	2.5

Age = 70 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.5	0.6	0.5	0.4	0.3	0.3
1	0.8 (0.6-1.1)	0.8 (0.6-1.1)	0.8 (0.6-1.1)	0.7 (0.5-0.9)	0.6 (0.4-0.8)	0.5 (0.3-0.6)	0.4 (0.3-0.5)
2	1.3 (0.8-2.0)	1.2 (0.8-1.9)	1.2 (0.7-1.9)	1.0 (0.6-1.5)	0.8 (0.5-1.3)	0.7 (0.4-1.0)	0.5 (0.3-0.9)
3	2.0 (1.1-3.3)	1.9 (1.1-3.0)	1.8 (1.1-2.8)	1.5 (0.8-2.3)	1.2 (0.7-1.9)	1.0 (0.5-1.5)	0.8 (0.4-1.2)
4	3.1 (1.8-4.7)	2.9 (1.7-4.3)	2.7 (1.6-4.1)	2.2 (1.3-3.3)	1.7 (1.0-2.7)	1.4 (0.8-2.1)	1.1 (0.7-1.7)
5	4.8 (3.7-6.7)	4.4 (3.3-6.1)	4.0 (3.0-5.6)	3.2 (2.4-4.5)	2.5 (1.9-3.6)	2.0 (1.5-2.9)	1.6 (1.2-2.3)
6	7.4	6.6	6.1	4.8	3.8	3.0	2.4

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

Age = 75 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.5	0.6	0.6	0.5	0.4	0.3	0.3
1	0.9 (0.6-1.5)	0.9 (0.6-1.3)	0.9 (0.6-1.2)	0.7 (0.5-0.9)	0.6 (0.4-0.7)	0.5 (0.3-0.6)	0.4 (0.2-0.5)
2	1.5 (0.8-2.6)	1.4 (0.8-2.4)	1.3 (0.8-2.2)	1.1 (0.6-1.7)	0.8 (0.5-1.3)	0.7 (0.4-1.1)	0.5 (0.3-0.8)
3	2.5 (1.1-4.4)	2.2 (1.1-3.9)	2.1 (1.1-3.5)	1.6 (0.8-2.7)	1.3 (0.7-2.1)	1.0 (0.5-1.7)	0.8 (0.4-1.3)
4	4.0 (1.9-6.4)	3.6 (1.8-5.6)	3.2 (1.7-5.0)	2.5 (1.3-3.9)	2.0 (1.0-3.0)	1.5 (0.8-2.3)	1.2 (0.6-1.8)
5	6.4 (3.4-9.1)	5.7 (3.2-8.0)	5.1 (3.1-7.1)	3.9 (2.4-5.5)	3.0 (1.9-4.3)	2.3 (1.5-3.3)	1.8 (1.2-2.6)
6	10	8.9	7.9	6.1	4.7	3.6	2.8

Age = 80 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.6	0.6	0.6	0.5	0.4	0.3	0.3
1	1.0 (0.6-1.7)	0.9 (0.6-1.5)	0.9 (0.6-1.4)	0.7 (0.5-1.1)	0.6 (0.4-0.8)	0.5 (0.3-0.6)	0.4 (0.2-0.5)
2	1.6 (0.9-2.9)	1.5 (0.8-2.5)	1.4 (0.8-2.3)	1.1 (0.6-1.8)	0.9 (0.5-1.3)	0.7 (0.4-1.1)	0.5 (0.3-0.8)
3	2.7 (1.3-4.5)	2.4 (1.2-4.0)	2.2 (1.1-3.6)	1.7 (0.9-2.8)	1.3 (0.7-2.2)	1.0 (0.5-1.7)	0.8 (0.4-1.3)
4	4.3 (2.1-6.6)	3.8 (1.9-5.8)	3.4 (1.9-5.2)	2.6 (1.4-4.0)	2.0 (1.1-3.1)	1.6 (0.9-2.4)	1.2 (0.7-1.8)
5	6.7 (3.5-9.2)	5.9 (3.1-8.1)	5.2 (3.0-7.2)	4.0 (2.3-5.6)	3.1 (1.8-4.3)	2.4 (1.4-3.3)	1.8 (1.1-2.5)
6	10	9.0	8.0	6.1	4.7	3.6	2.7

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

Age = 85 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.7	0.7	0.7	0.5	0.4	0.3	0.3
1	1.1 (0.7-2.0)	1.1 (0.7-1.8)	1.1 (0.7-1.6)	0.8 (0.5-1.3)	0.7 (0.4-1.0)	0.5 (0.3-0.7)	0.4 (0.3-0.6)
2	1.9 (1.0-3.4)	1.7 (0.9-3.0)	1.6 (0.9-2.7)	1.3 (0.7-2.1)	1.0 (0.6-1.6)	0.8 (0.4-1.2)	0.6 (0.3-0.9)
3	3.1 (1.5-5.3)	2.8 (1.4-4.7)	2.6 (1.3-4.3)	2.0 (1.0-3.3)	1.5 (0.8-2.5)	1.2 (0.6-1.9)	0.9 (0.5-1.5)
4	5.0 (2.4-7.8)	4.4 (2.2-6.8)	4.0 (2.1-6.1)	3.1 (1.6-4.7)	2.3 (1.3-3.6)	1.8 (1.0-2.8)	1.4 (0.7-2.1)
5	7.9 (4.1-11)	6.9 (3.6-9.5)	6.1 (3.4-8.5)	4.7 (2.6-6.5)	3.6 (2.0-5.0)	2.7 (1.6-3.8)	2.1 (1.2-2.9)
6	12	11	9.3	7.2	5.5	4.2	3.2

Age = 90 years

Number of CRFs	BMI (kg/m ²)						
	15	20	25	30	35	40	45
0	0.8	0.8	0.8	0.6	0.5	0.4	0.3
1	1.4 (0.9-2.4)	1.3 (0.8-2.1)	1.2 (0.8-1.9)	1.0 (0.6-1.5)	0.7 (0.5-1.1)	0.6 (0.4-0.9)	0.5 (0.3-0.7)
2	2.3 (1.2-4.2)	2.1 (1.1-3.6)	1.9 (1.1-3.2)	1.5 (0.8-2.5)	1.2 (0.6-1.9)	0.9 (0.5-1.4)	0.7 (0.4-1.1)
3	3.8 (1.8-6.4)	3.3 (1.6-5.6)	3.0 (1.5-5.1)	2.3 (1.2-3.9)	1.8 (0.9-3.0)	1.4 (0.7-2.3)	1.1 (0.5-1.8)
4	6.0 (2.8-9.3)	5.3 (2.6-8.1)	4.7 (2.4-7.3)	3.6 (1.9-5.6)	2.8 (1.5-4.3)	2.1 (1.1-3.3)	1.6 (0.9-2.5)
5	9.3 (4.8-13)	8.2 (4.3-11)	7.3 (4.0-10)	5.6 (3.1-7.8)	4.3 (2.4-6.0)	3.3 (1.8-4.6)	2.5 (1.4-3.5)
6	14	12	11	8.5	6.6	5.0	3.8