

FRAX: Middle East perspective

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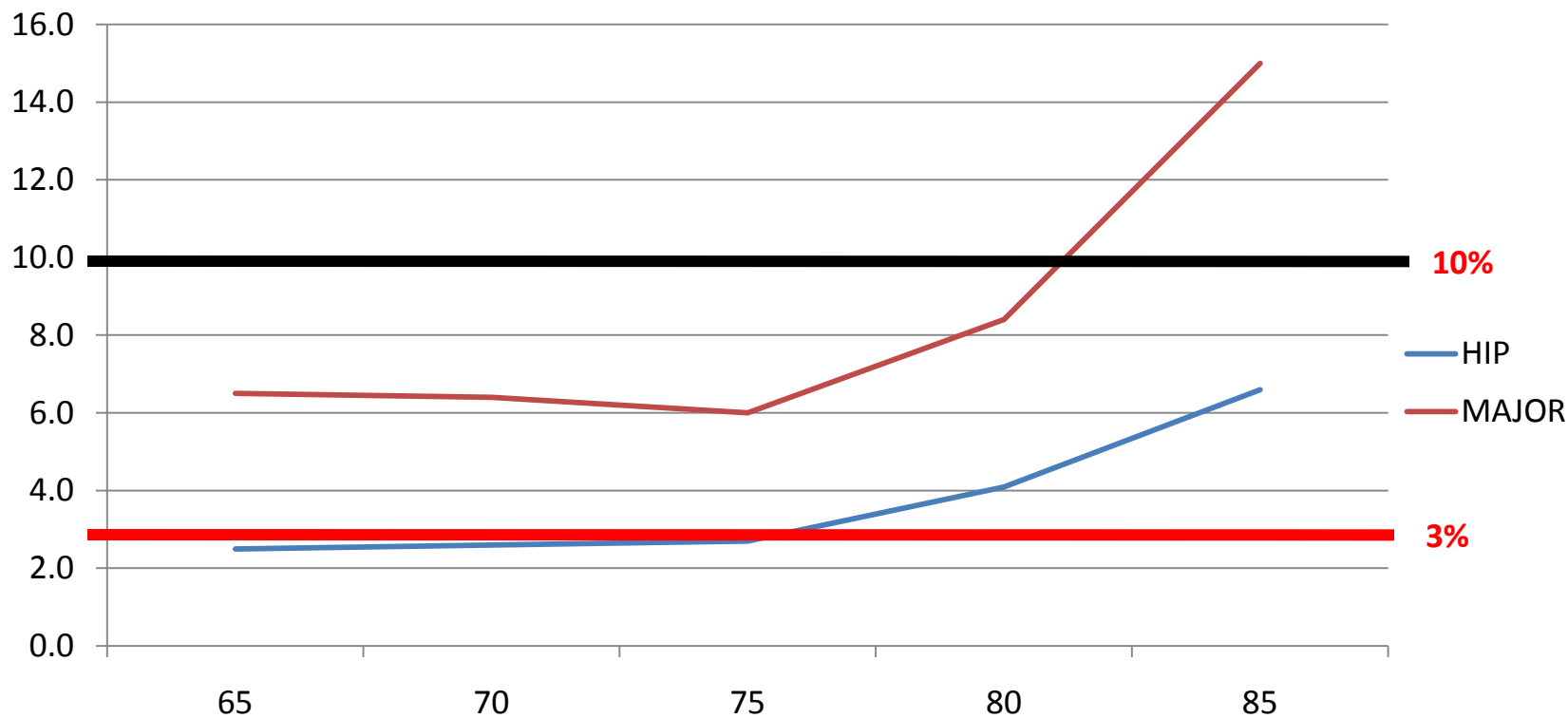
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Hip and major fracture 10-year probability by age using FRAX Lebanon

FEMALES

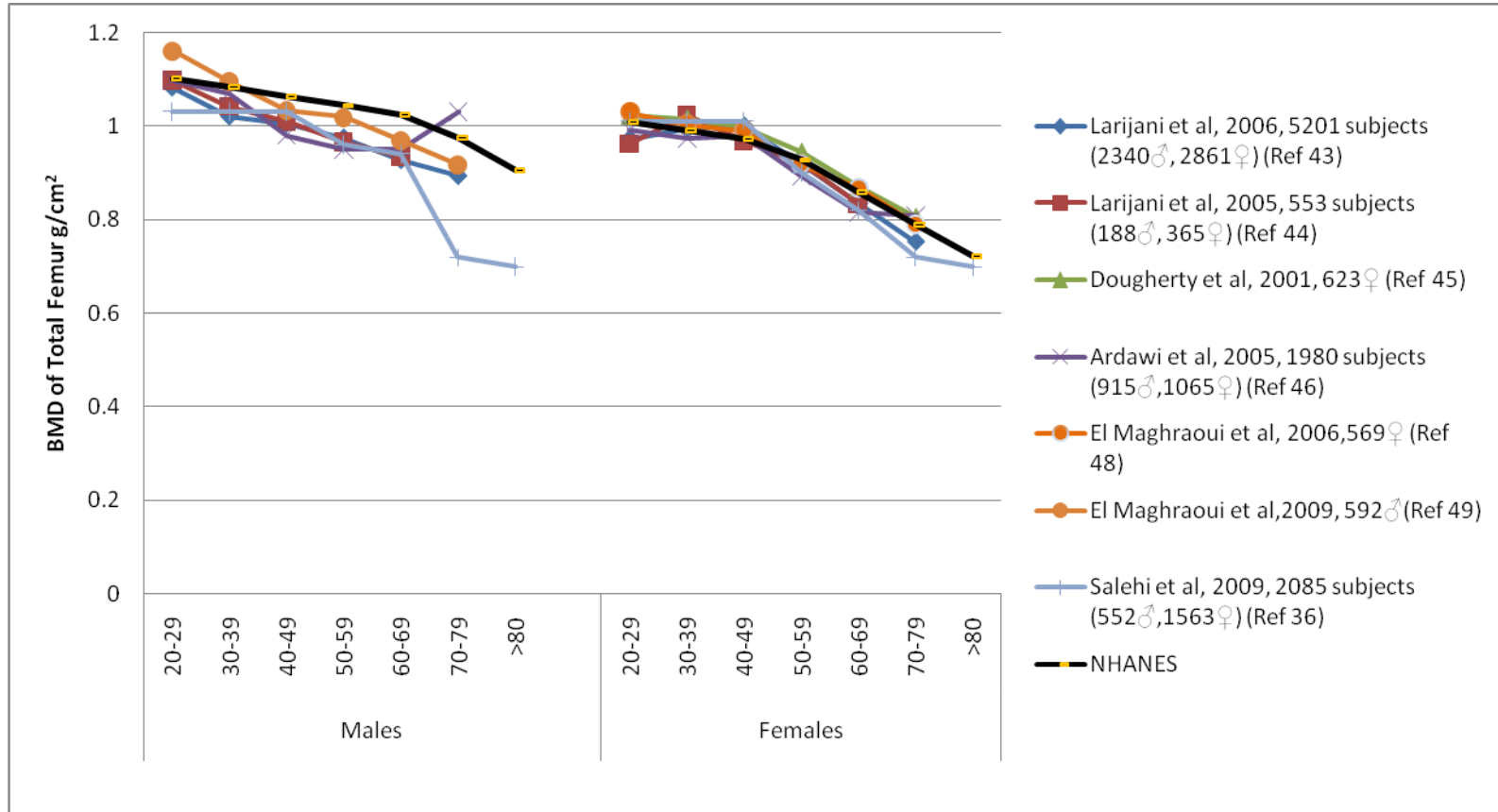


Weight: 70kg, Height: 165cm, (BMI = 25.7)

Femoral Neck **T-score: -3.0**

No risk factors

Mean total femur BMD (g/cm²) using DPX-Lunar DXA by 10-years age groups in both genders across various EMR countries.



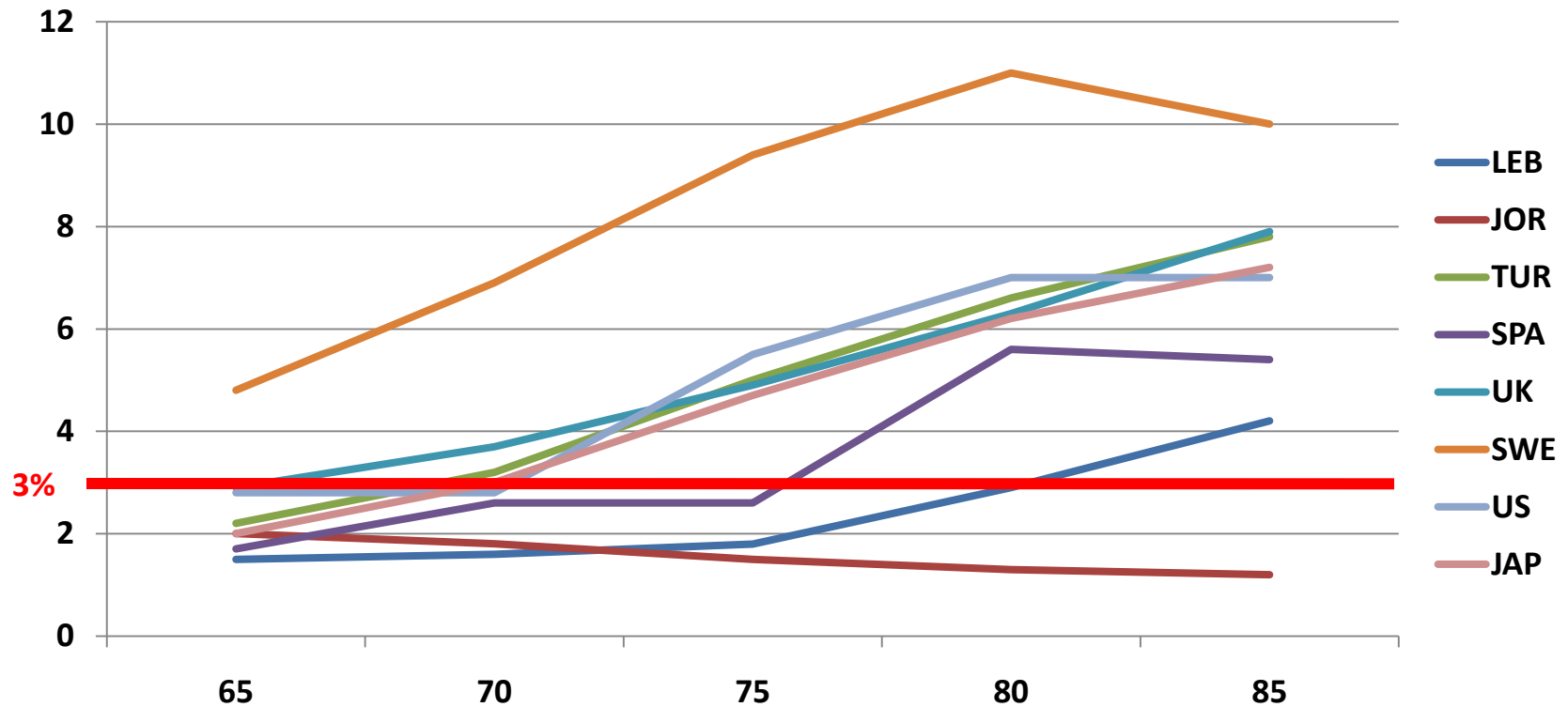
The NHANES database values are as provided from Lunar manufacturer

NHANES versus population specific databases for vertebral fracture case detection

	NHANES		Population specific	
	Women	Men	Women	Men
Sensitivity	51.8% [38.0-65.3]	38.9% [17.3-64.3]	26.8% [15.8-40.3]	11.1% [1.4-34.7]
Specificity	71.5% [65.3-77.2]	79.9% [71.2-85.6]	88.5% [83.7-92.3]	98.5% [94.7-99.8]
Area ROC	0.65	0.64	0.57	0.57
Age-adjusted RR of VF per SD decrease in TH BMD	1.61 [1.17-2.23]	1.59 [0.94-2.72]	1.49 [1.14-1.95]	1.66 [0.93-2.94]

Hip fracture 10-year probability by age across various populations

FEMALES



Weight: 70kg, Height: 165cm, (BMI = 25.7)

Femoral Neck **T-score: -2.5**

No risk factors

Targeting high risk population

