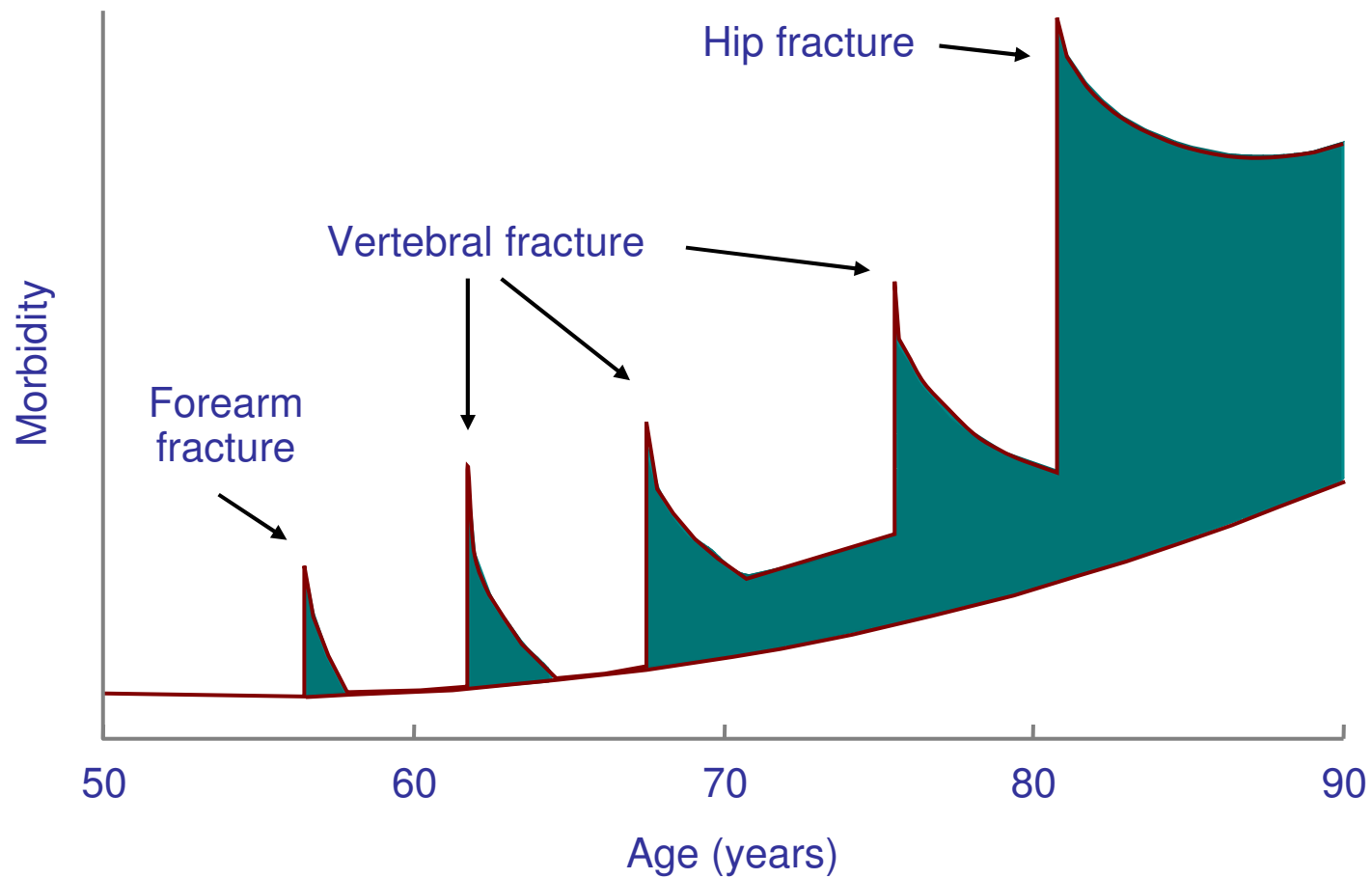
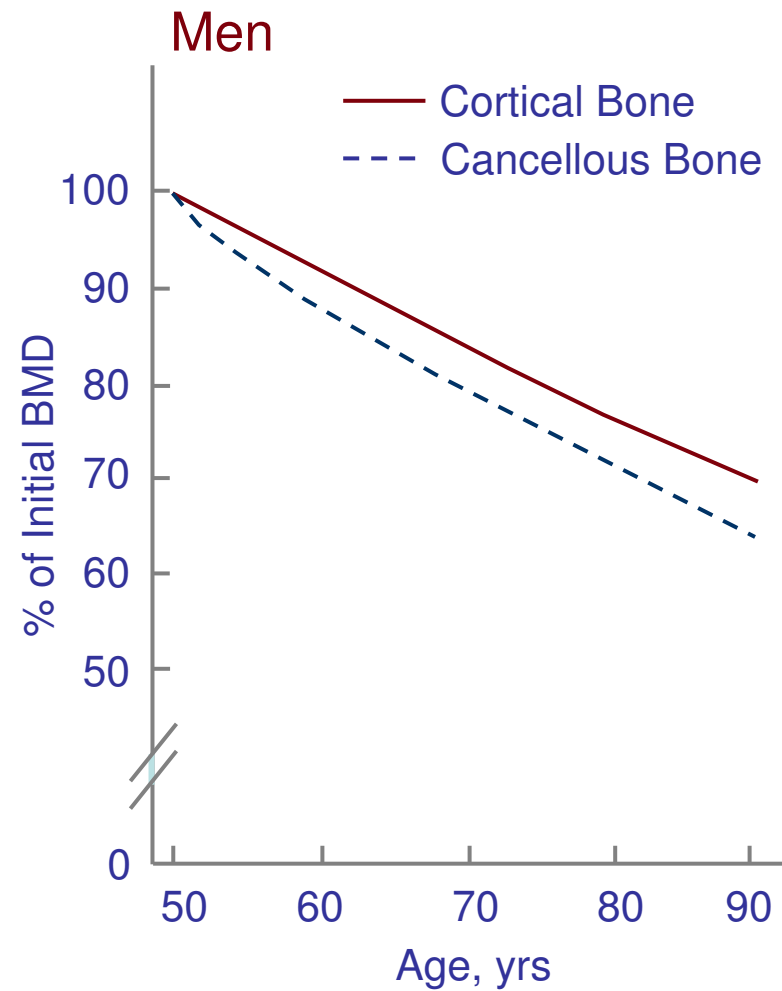
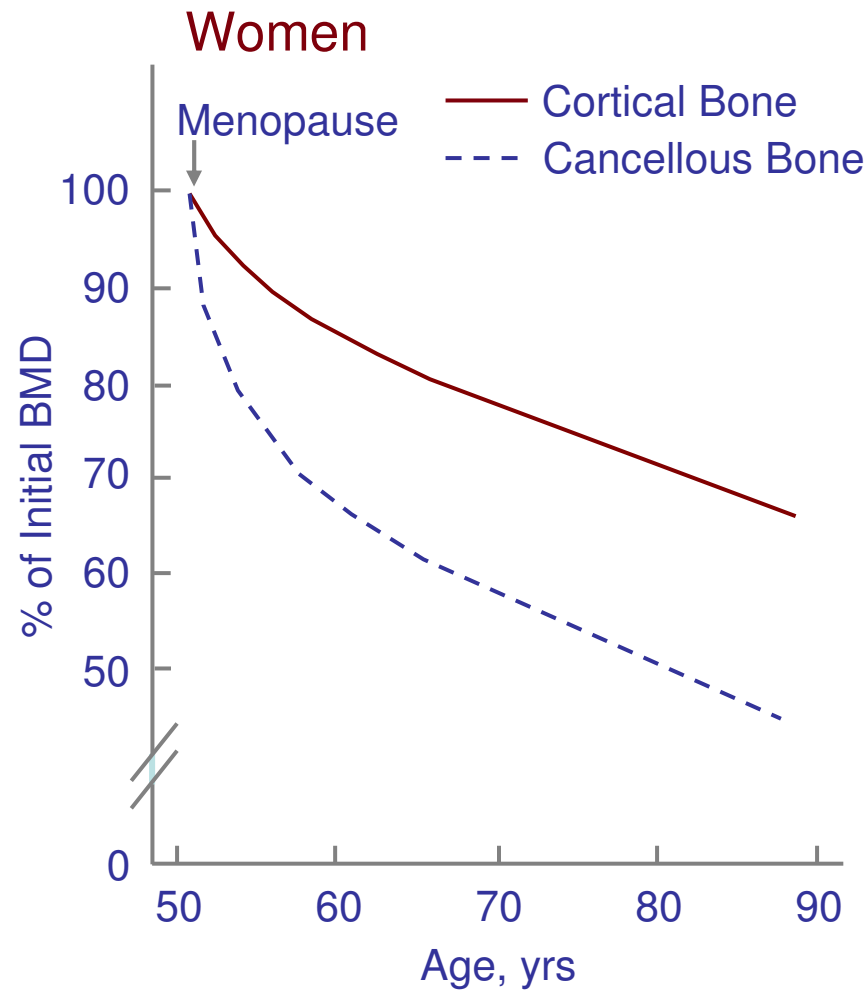


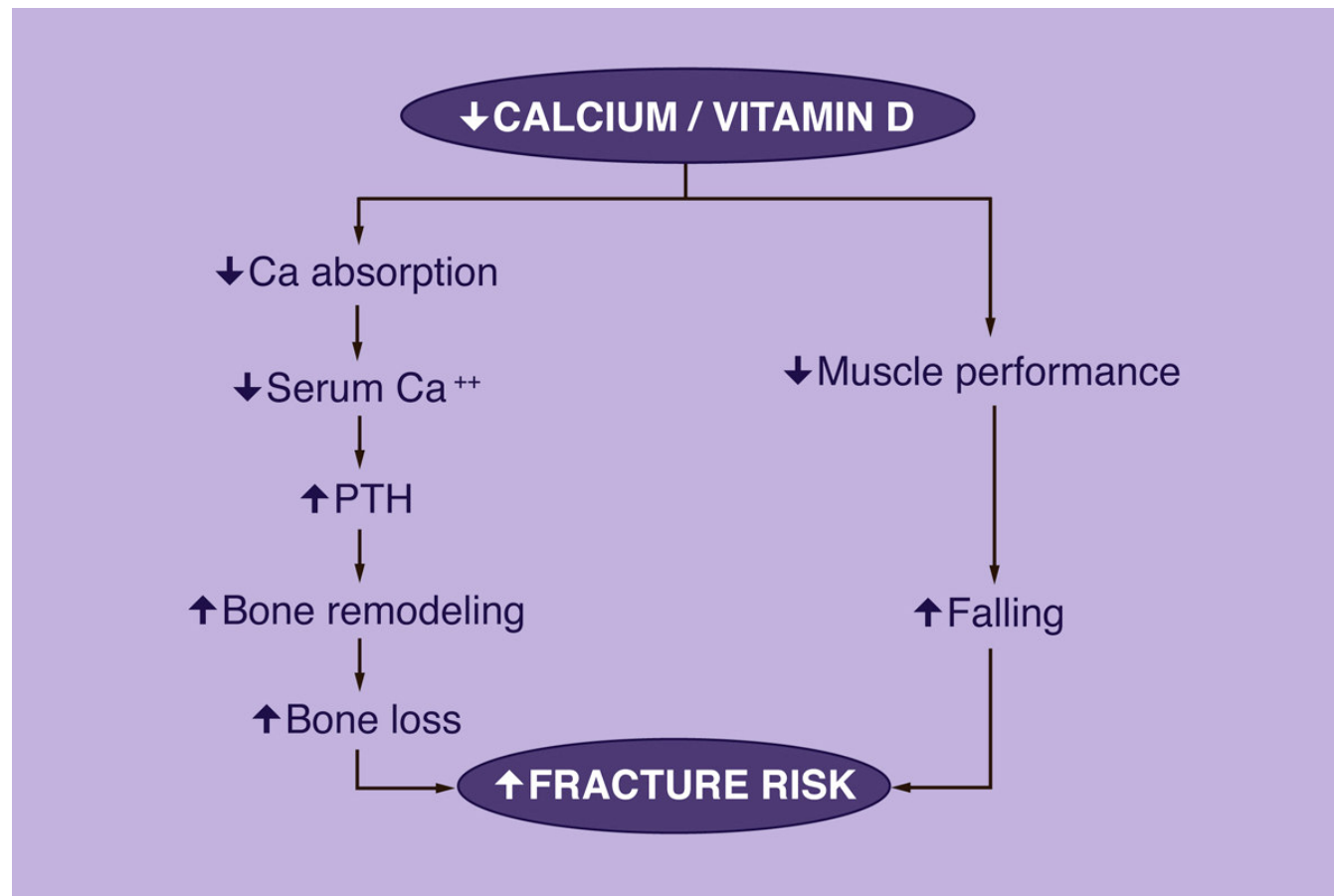
Excess Morbidity Patterns by Fracture Type



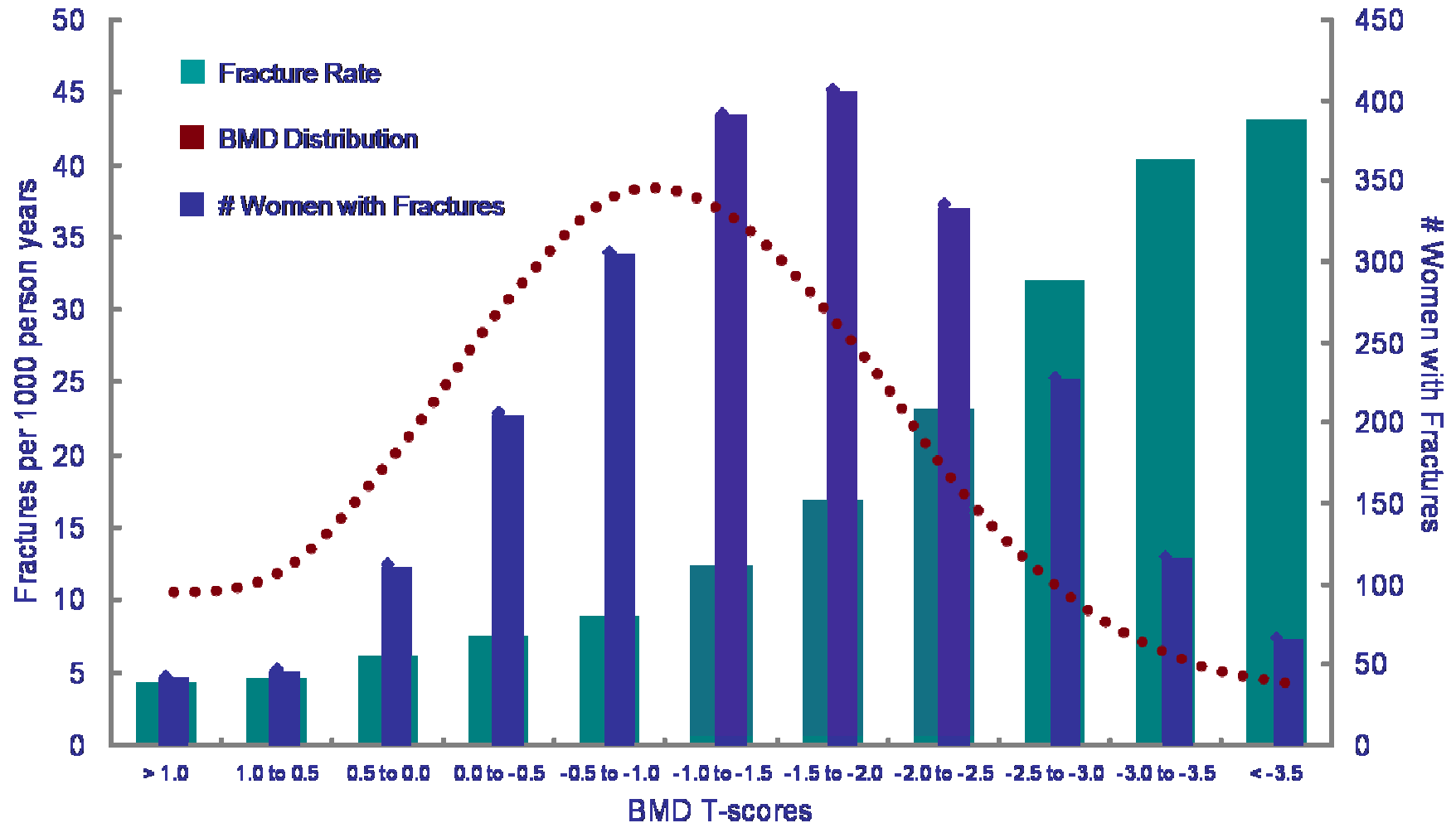
Pattern of Involutional Bone Loss



Vitamin D is required to prevent bone loss and fractures



Fracture Rates, Population BMD Distribution and Number of Fractures in NORA





Who Should Have a Bone Density Test?

Patient Category	US PSTF	NOF	AACE	ISCD
Women \geq 65 years of age	Yes	Yes	Yes	Yes
Women 60-64 with risk factor	Yes	Yes	Yes	Yes
All women \leq 65 with risk factor		Yes	Yes	Yes
All women with a fragility fracture		Yes	Yes	Yes
Diseases/conditions/drugs causing osteoporosis		Yes	Yes	Yes
Anyone receiving treatment for osteoporosis			Yes	Yes
Anyone considering therapy for osteoporosis		Yes		Yes
Men aged \geq 70 years				Yes
All men with a fragility fracture				Yes

Vitamin D Prevents Falls: Meta-analysis

Source	Odds Ratio (95% CI)
Pfeifer et al, 2000	0.47 (0.20-1.10)
Bischoff et al, 2003	0.68 (0.30-1.54)
Gallagher et al, 2001	0.53 (0.32-0.88)
Dukas et al, 2004	0.69 (0.41-1.16)
Graafmans et al, 1996	0.91 (0.59-1.40)
Pooled (Uncorrected)	0.69 (0.53-0.88)

