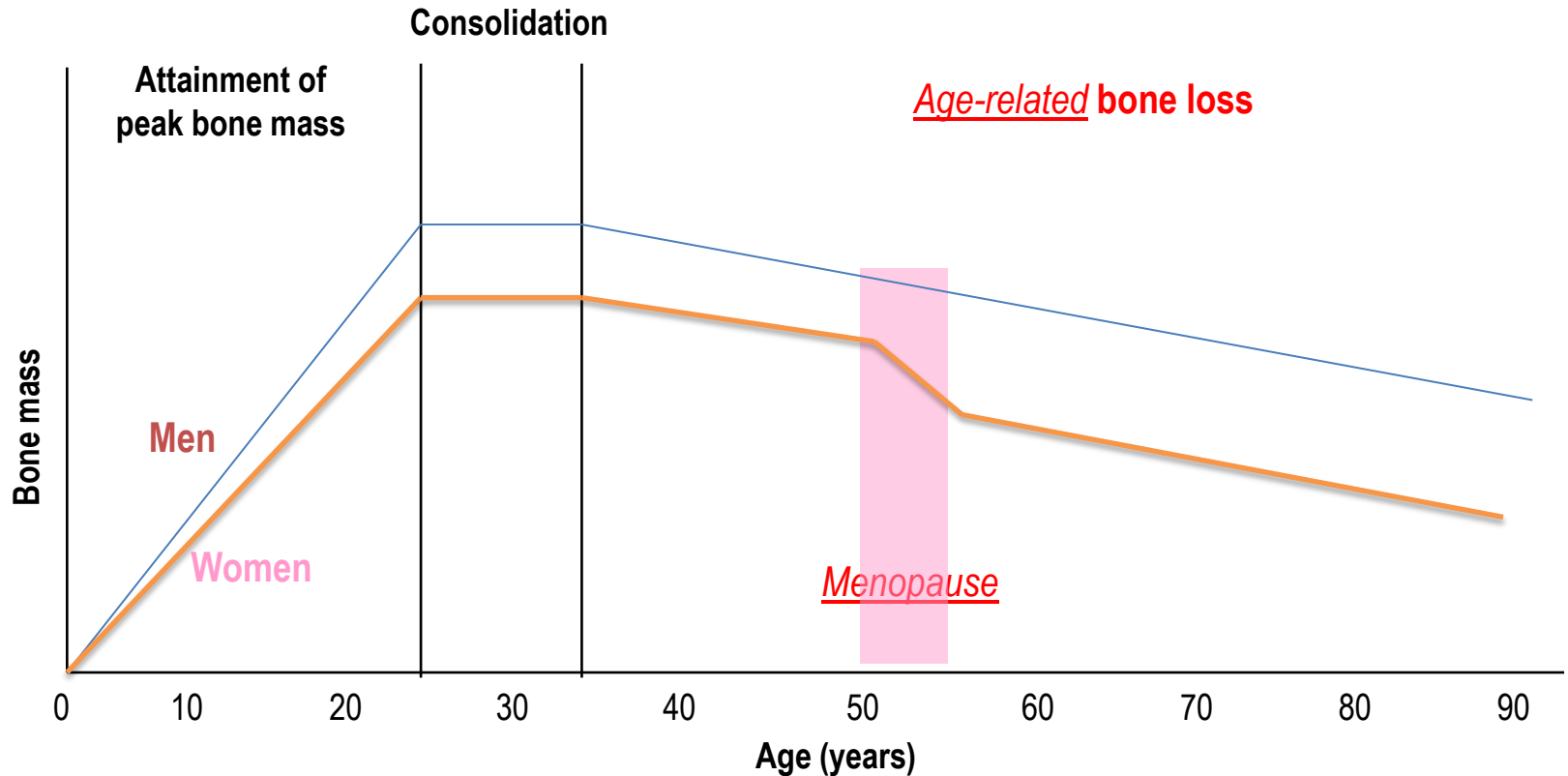


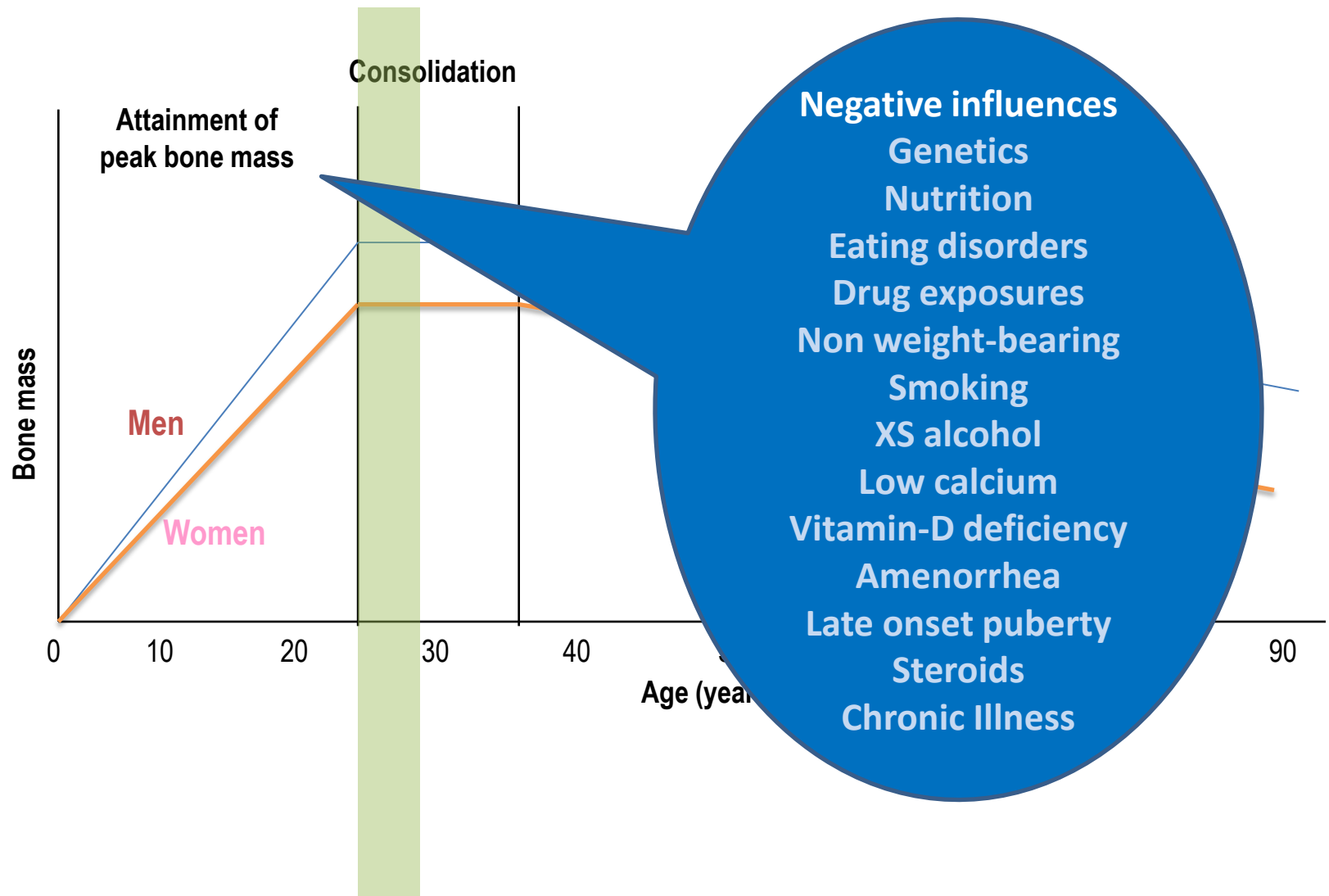
**Dual X-Ray Absorptiometry (DXA) measures Bone Mineral Density (mass)  
And is a key part of fracture risk/ osteoporosis assessment**



# Changes in bone mass (bone mineral density [BMD]) throughout life

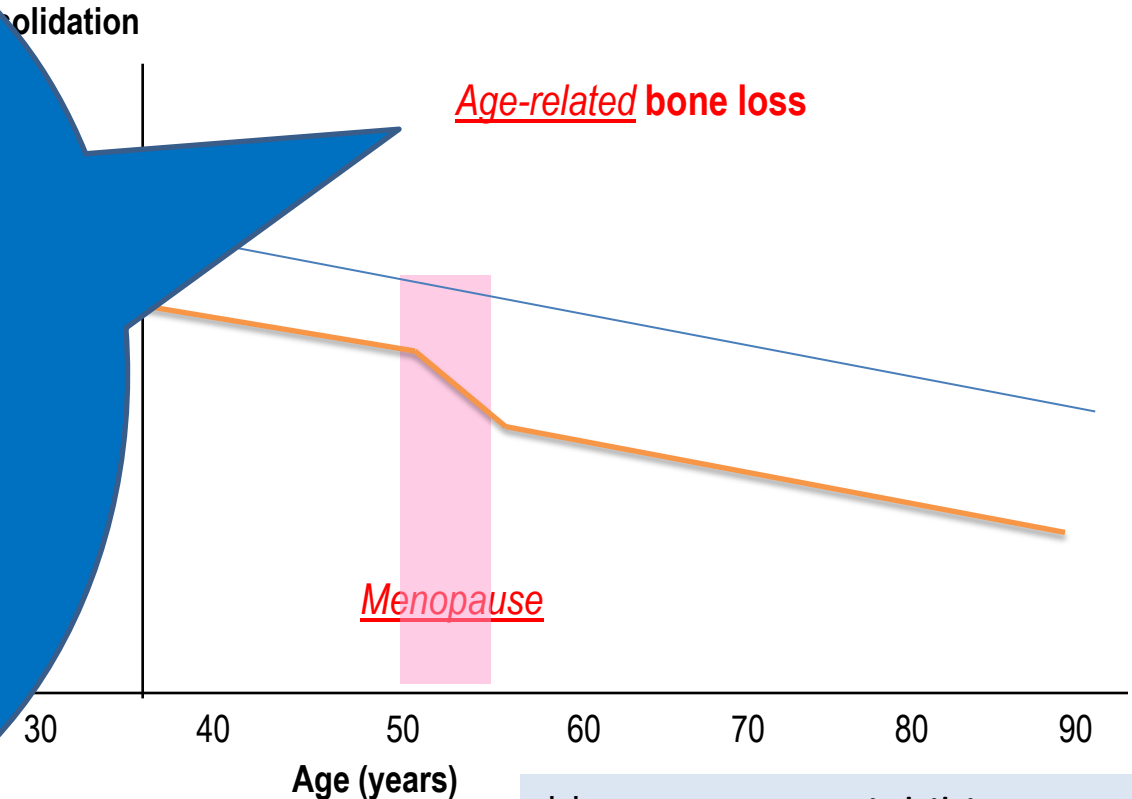


# Determinants of high peak bone mass



# Determinants of low bone mass with ageing

**Negative influences**  
Low peak bone mass  
Poor Nutrition  
Drug exposures  
Low weight-bearing  
Smoking  
XS alcohol  
Low calcium intake  
Vitamin-D deficiency  
Early menopause  
Other illness\*  
Steroids  
Drugs\*\*



\*eg Rheumatoid arthritis; Crohn's Disease; Myeloma; Kidney Disease, Liver Disease, Endocrine Disease

\*\*eg Aromatase inhibitors used in Breast cancer; some anticonvulsants; hormonal therapy for Prostate Cancer