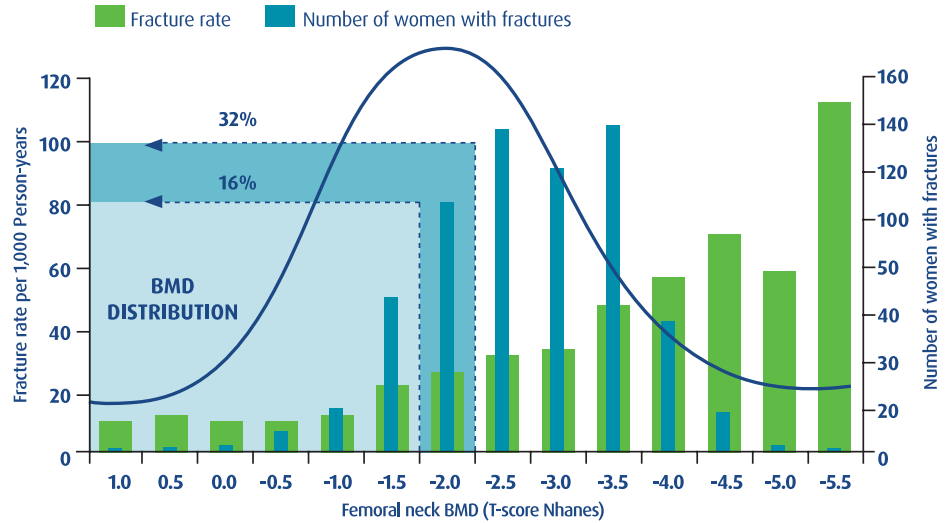


Enhance your ability to diagnose fracture risk as part of a routine DXA study.

It's well known that 50% of high-risk fracture patients are misclassified by BMD alone.

TBS iN^sight™, a stand-alone, easy-to-use software package, can help you predict risk of osteoporotic related fractures independent of BMD by offering quality assessment of bone microarchitecture as part of a standard DXA study, both prospectively and retrospectively.



DATA FROM THE EPISEM STUDY, COURTESY OF KRIEG MA ET HANS D

50% OF FRACTURES OCCUR IN WOMEN WITH T-SCORES > -2.5

DXA Bone Density images

BMD = 0.969

Illustration of a good microarchitecture

BMD = 0.967

Illustration of a poor microarchitecture

TBS algorithm and associated TBS Images

Experimental Variogram

$$r^*(\rho) = \langle (\bar{\rho}_i + \text{sig} \cdot x_i) - (\bar{\rho}_j) \rangle_{(0, \rho)}$$

TBS L1-L4: 1.457

TBS L1-L4: 1.132

Based on 2D DXA PA Spine image: TBS iN^sight measures the bone texture inhomogeneity and enables to differentiate two structures, providing a Score: the Trabecular Bone Score

Pothuaud et al. Bone 2008;42:775-87. Hans et al. JCD 2011;14:302-12. Winzenrieth et al. JCD Epub ahead of print 2012; doi.org/10.1016/j.jocd.2012.05.001. 2013 © Medimaps Group. All rights reserved.

Are you aware...

TBS iN^sight – Advanced DXA is now available on the majority of new and legacy fan-beam densitometers. TBS is the first practical method to assess bone texture in clinical practice.

Learn more about TBS iN^sight and how it can enhance bone health assessment in your practice. Call us at 1-800-321-4472 or go to www.tbsinsight.com.

Download our “Advanced DXA Using TBS” white paper!