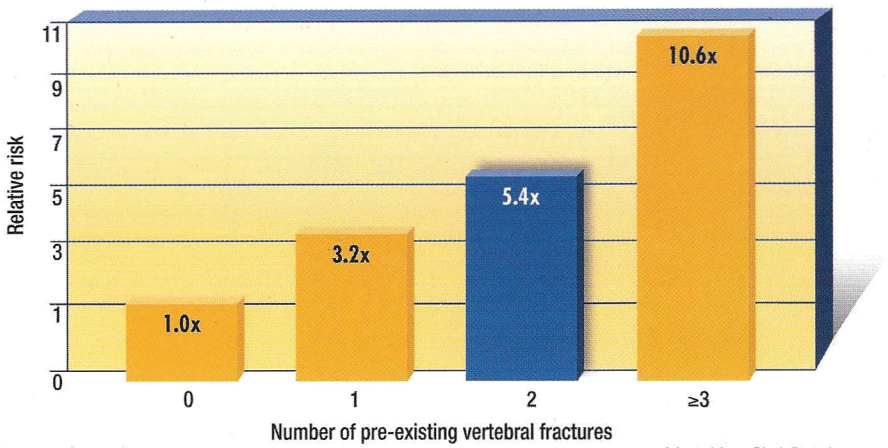
In Postmenopausal Osteoporosis

Vertebral fractures predict future fractures over 4 years

5-fold increased risk† for a future vertebral fracture over 4 years[3]

Relative risk of vertebral fracture over 4 years[3]

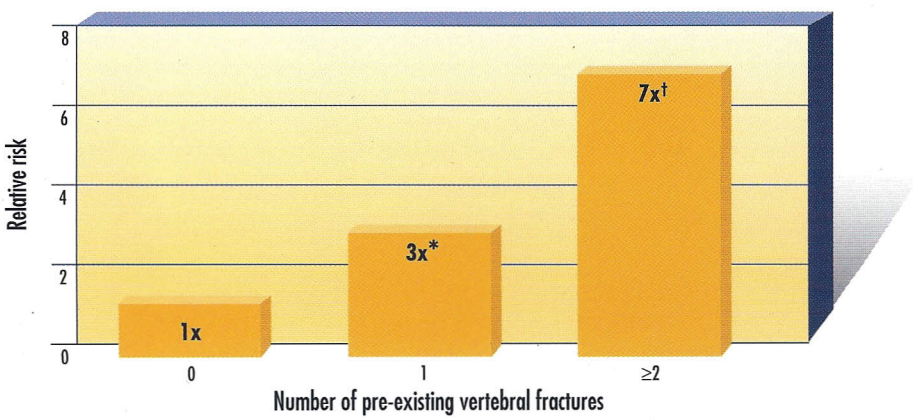


-Adapted from Black D et al

New evidence suggests... The increased risk for a subsequent vertebral fracture is a reality in 1 year[9]

- Approximately 1 in 5 untreated women will fracture again within **1 year** of sustaining a vertebral fracture[9]
- With every additional pre-existing fracture, the risk of future vertebral fracture increases within 1 year[9]

Relative risk of vertebral fracture during 1 year[13]



Relative risk based on the incidence of vertebral fractures during the first year of the studies. Data are from the combined analysis of 2725 placebo patients from clinical studies. All women were taking 1000 mg/d calcium and, if baseline values were low, 500 IU/d vitamin D.

*$p<0.01$ vs. patients with no prevalent vertebral fractures

†$p<0.001$ vs. patients with no prevalent vertebral fractures

-Adapted from Data on file

† Patients with at least 2 pre-existing vertebral fractures

References: **1.** Cooper et al. Incidence of clinically diagnosed vertebral fractures: a population based study in Rochester, Minn. *Bone Mineral Res*,1992. **2.** Ross PD, Genant HK, Davis JW. Predicting vertebral fracture incidence from prevalent fractures and bone density among non-black, osteoporotic women. *Osteop Int* 1993;3(3):120-6. **3.** Black DM, Arden NK, Palermo L et al, for the Study of Osteoporotic Fractures Research Group. Prevalent vertebral deformities predict hip fractures and new vertebral deformities but no wrist fractures. *JBMR* 1999;14(5);821-8. **4.** Ensrud et al. Prevalent vertebral deformities predict mortality and hospitalization in older women with low bone mass, *JAGS* 48:241-249, 2000. **5.** Nevitt et al, *Ann Intern Med*, 1998: 128;739-800 **6.** Gold et al. The clinical impact of vertebral fractures: Quality of Life in women with osteoporosis, *Bone* 19 (3, Suppl):185S-189S (March) 1996. **7.** Cooper et al. Prevalent fractures predict new vertebral fractures in 1 year [abstract]. *Calcif Tissue Int* 2000. In press. **8.** U.S. government Printing Office, 1993. U.S. Department of Commerce, NTIS publication PB94107653. **9.** Lindsay et al. One-in-five osteoporotic women will fracture again within 1 year of an incident vertebral fracture [abstract]. *Calcif Tissue Int* 2000. In press.