

Patients defined by BMD T-score threshold



Osteoporosis is defined as a BMD 2.5 SD or more below the average value for pre-menopausal women (T-score <-2.5 SD).² There is a strong, continuous relationship between BMD and osteoporotic fractures.³

In the **VERO** subgroup analyses, no significant heterogeneity in the treatment effect of **FORSTEO** vs risedronate was demonstrated in patients defined by their **baseline BMD T-score**.^{*1}

IN VERO: 753 (55.4%) patients had a BMD T-score <-2.5 SD at baseline^{1#}

PRIMARY ENDPOINT NEW VERTEBRAL FRACTURES¹

57%

risk reduction vs risedronate at 24 months in patients with a baseline BMD T-score <-2.5 SD

SECONDARY ENDPOINT POOLED NEW AND WORSENER VERTEBRAL FRACTURES¹

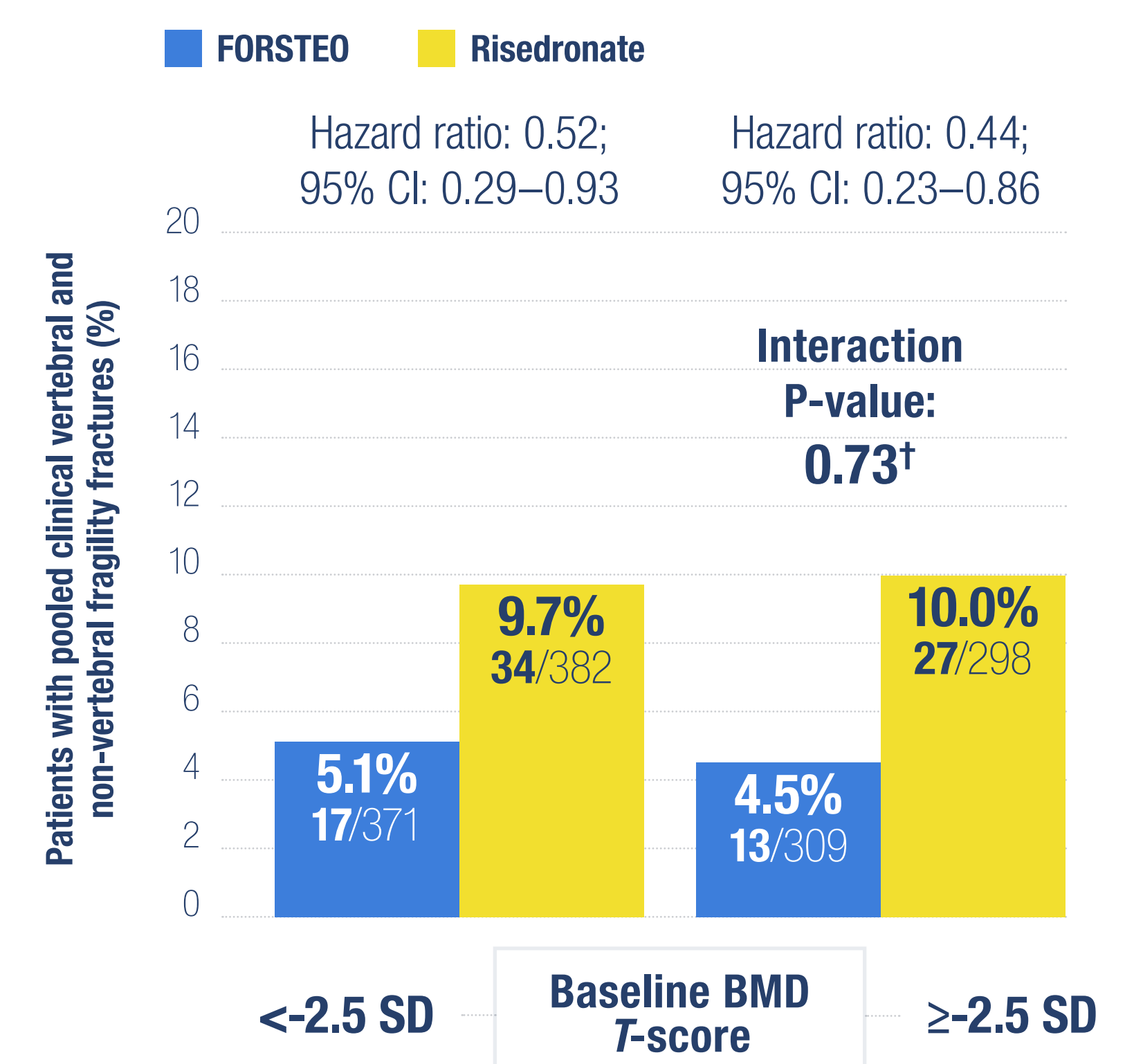
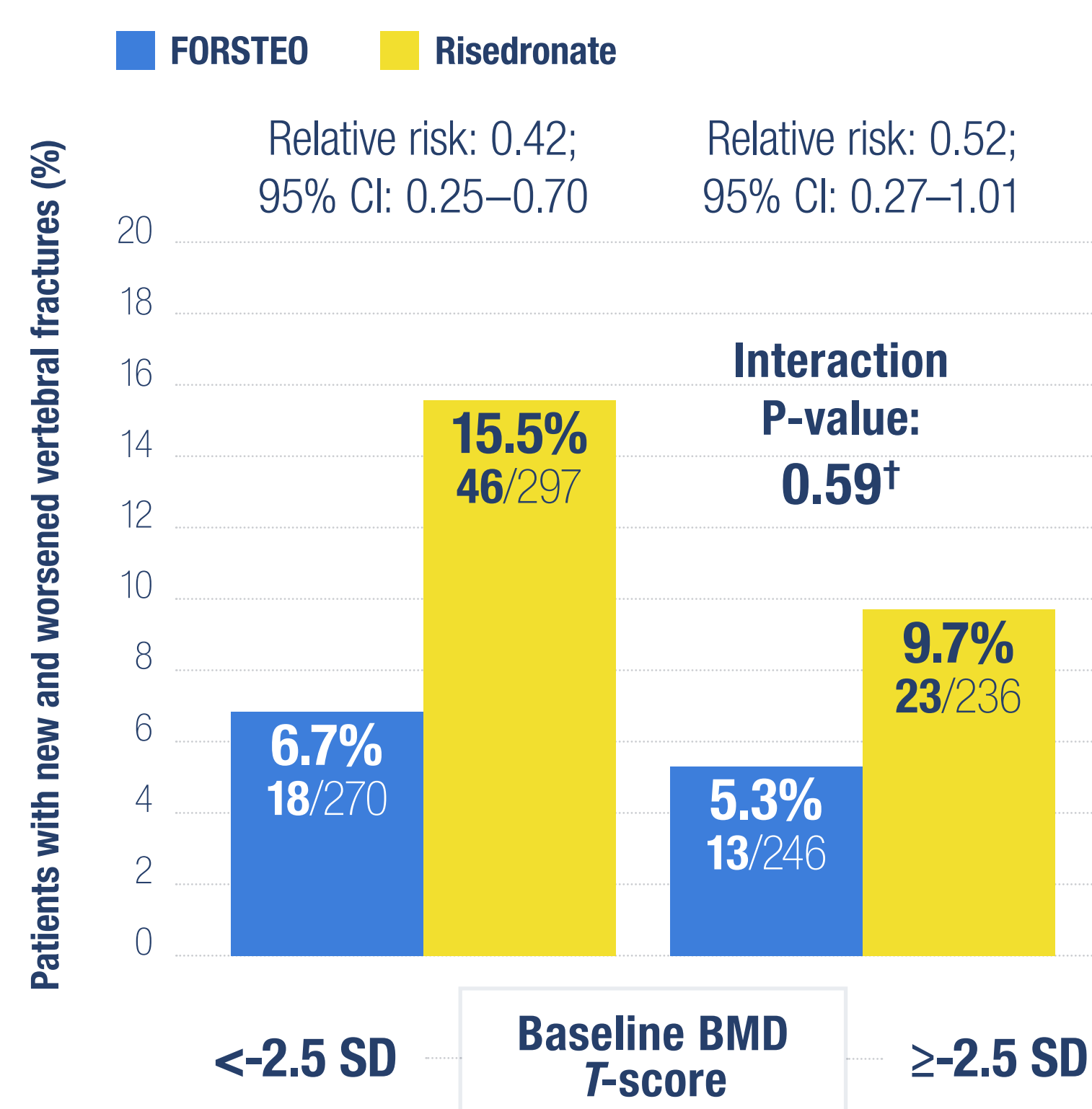
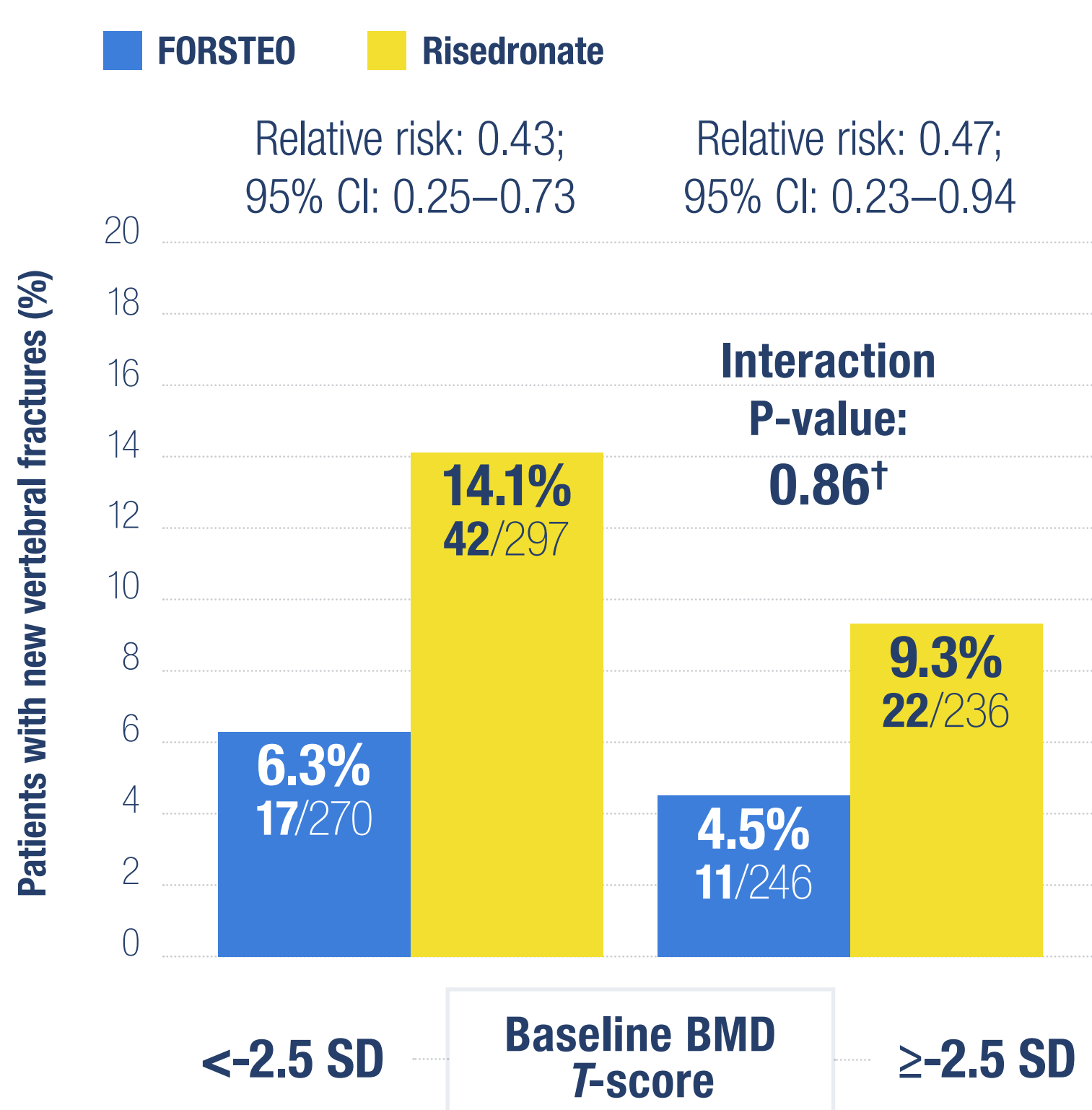
58%

relative risk reduction vs risedronate at 24 months in patients with a BMD T-score <-2.5 SD

SECONDARY ENDPOINT POOLED CLINICAL VERTEBRAL AND NON-VERTEBRAL FRAGILITY FRACTURES¹

48%

relative risk reduction vs risedronate at 24 months in patients with a BMD T-score <-2.5 SD

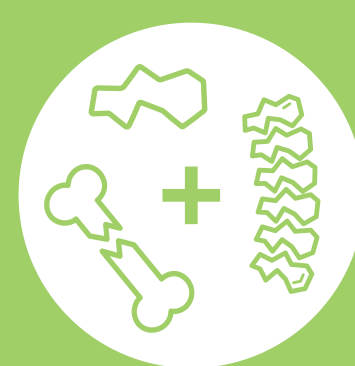


Adapted from Geusens P, et al. J Bone Miner Res (2018)^{##}

Adverse events were balanced across the two treatment groups with both drugs being well tolerated⁴

RELEVANCE TO CLINICAL PRACTICE

These results indicate the additional fracture benefit of using an anabolic as compared to an anti-resorptive drug across multiple patient clinical scenarios.



OTHER SECONDARY ENDPOINTS: Non-vertebral fragility fractures & major non-vertebral fragility fractures^{1,4}

The non-significant difference in treatment effect for FORSTEO vs risedronate observed in the overall analysis was not affected by BMD T-score at baseline.

In post-menopausal women with osteoporosis and pre-existing vertebral fractures, treatment with **FORSTEO** reduced the relative fracture risk vs risedronate at 24 months in the following fracture endpoints:⁴

Relative risk reduction:

56%
P<0.0001; ARR 6.6%
new vertebral fractures

54%
P<0.0001; ARR 6.9%
pooled new and worsening vertebral fractures

52%
P=0.0009; ARR 5.0%
pooled clinical vertebral and non-vertebral fractures

VERO PRIMARY ANALYSIS

FORSTEO is superior to risedronate in reducing the risk of new vertebral fractures during 24 months of therapy in post-menopausal women with severe osteoporosis⁴

Prospectively planned subgroup analyses of the VERO fracture data assessed potential heterogeneity in the treatment effect across nine clinically relevant patient subgroups.¹

Download the VERO primary analysis paper

Download the VERO subgroup analysis paper

ARR, absolute risk reduction; BMD, bone mineral density; CI, confidence interval; SD, standard deviation

¹BMD T-score at baseline was defined as per two categories: <-2.5 or ≥-2.5 SD measured at the spine and/or at the proximal femur.

²A treatment-by-subgroup interaction P-value <0.1 was considered evidence of an effect modifier. These analyses were exploratory in nature and therefore the possibility of a true differential treatment effect for some subgroups cannot be ruled out due to lack of statistical power.

³Geusens P, et al. J Bone Miner Res. 2018;33:783–794. ⁴Kanis JA. Lancet. 2002;359:1929–1936. ⁵Siris ES, et al. Arch Intern Med. 2004;24:1108–1112. ⁶Kendler DL, et al. Lancet. 2018;391:230–240.

[#] Full Analysis Set
^{##} Modified Analysis Set

Fachinformation

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