

## DIFFERENT EFFECTS OF CHRONIC OMEPRAZOLE USE ON OSTEOPOROTIC FRACTURES RATE IN THE ELDERS

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Poster

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**A retrospective cohort study of 46,805 community-dwelling elderly subjects in Israel found that chronic omeprazole use was not independently associated with osteoporotic fractures after multivariate adjustment.**

### KEY POINTS

- Among 46,805 subjects aged over 65 years followed for 14 years, 21.9% were chronic omeprazole users (defined as more than 11 prescriptions per year).
- Osteoporotic fractures occurred in 4.0% of omeprazole users versus 2.8% of nonusers, but after adjusting for known fracture-associated parameters, chronic omeprazole use was not an independent risk factor (adjusted HR 0.965, 95% CI 0.86–1.08,  $p=0.55$ ).
- In subjects aged 85 years or older, an inverse correlation between omeprazole use and osteoporotic fracture was observed (adjusted HR 0.780, 95% CI 0.635–0.958,  $p<0.05$ ).
- The study addresses ongoing controversy regarding proton pump inhibitors and fracture risk in elderly populations using real-world data from a large health maintenance organization.

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