

# Management of osteoporosis in rheumatology day hospital : does the clinical pharmacist have a role to play?

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## BACKGROUND AND IMPORTANCE

A multidisciplinary day hospitalization (DH) dedicated to osteoporosis was established in our medical center in May 2023. Clinical pharmacist provides individualized care through a medication review, a medication reconciliation and a pharmaceutical consultation (PC).

## AIM AND OBJECTIVES

→ Assessment of the pharmaceutical impact in the management of patients with osteoporosis.

## MATERIAL AND METHODS

Data from May 2023 to May 2024 were extracted from the electronic medical record and pharmaceutical report

**Points discussed with patients during PC :**

- Informations about osteoporosis
- Osteoporosis treatment (mechanism of action, side effects, precaution of use)
- Hygienic-dietary rules.

**Pharmaceuticals interventions referred to :**

- Rheumatologist
- General practitioners (GPs)

**Pharmaceuticals reports sent to :**

- GPs
- Community pharmacist

## RESULTS

→ Population : 78 patients

73% Women

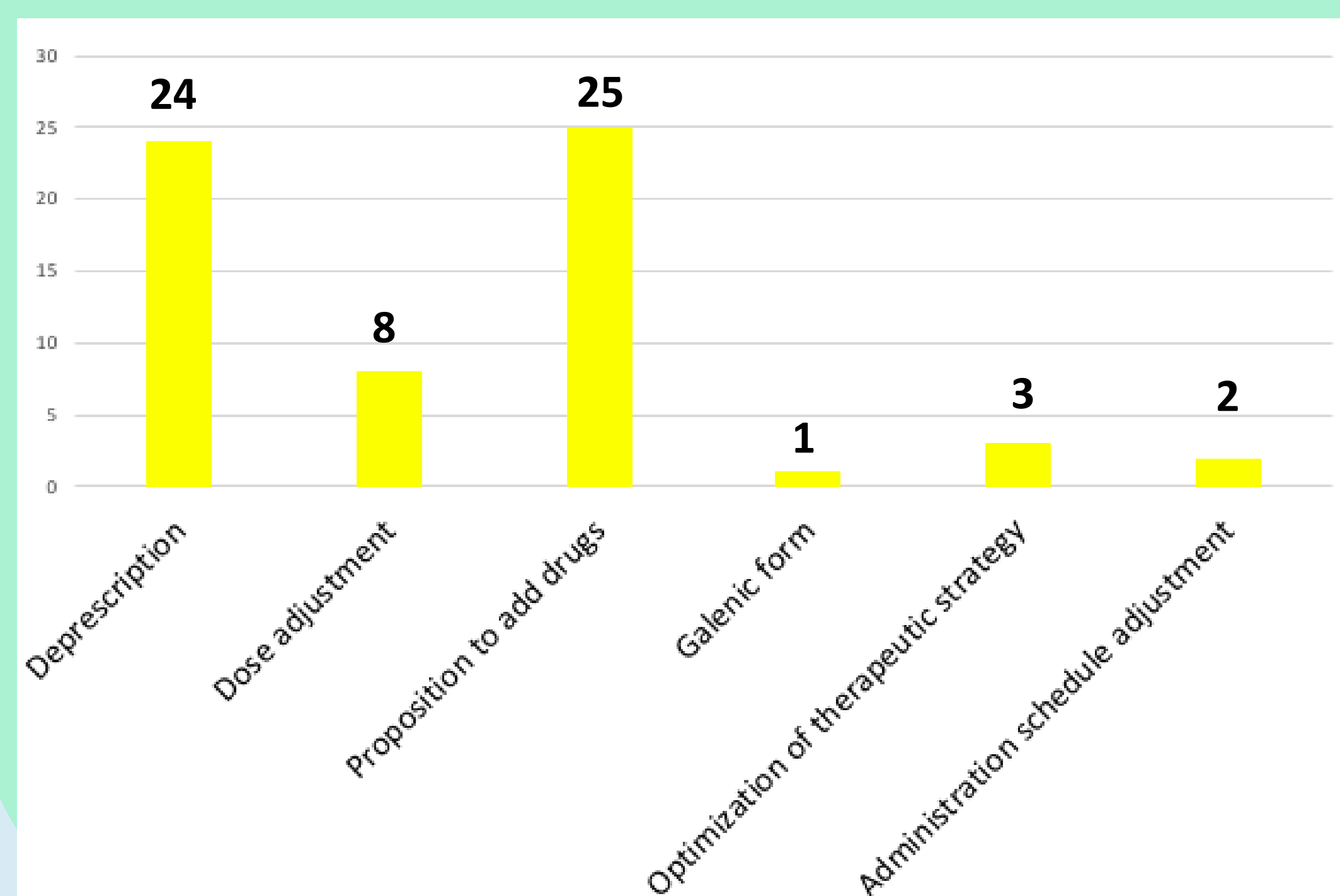
27% Men

Median age = 77 years (51 – 97 years)

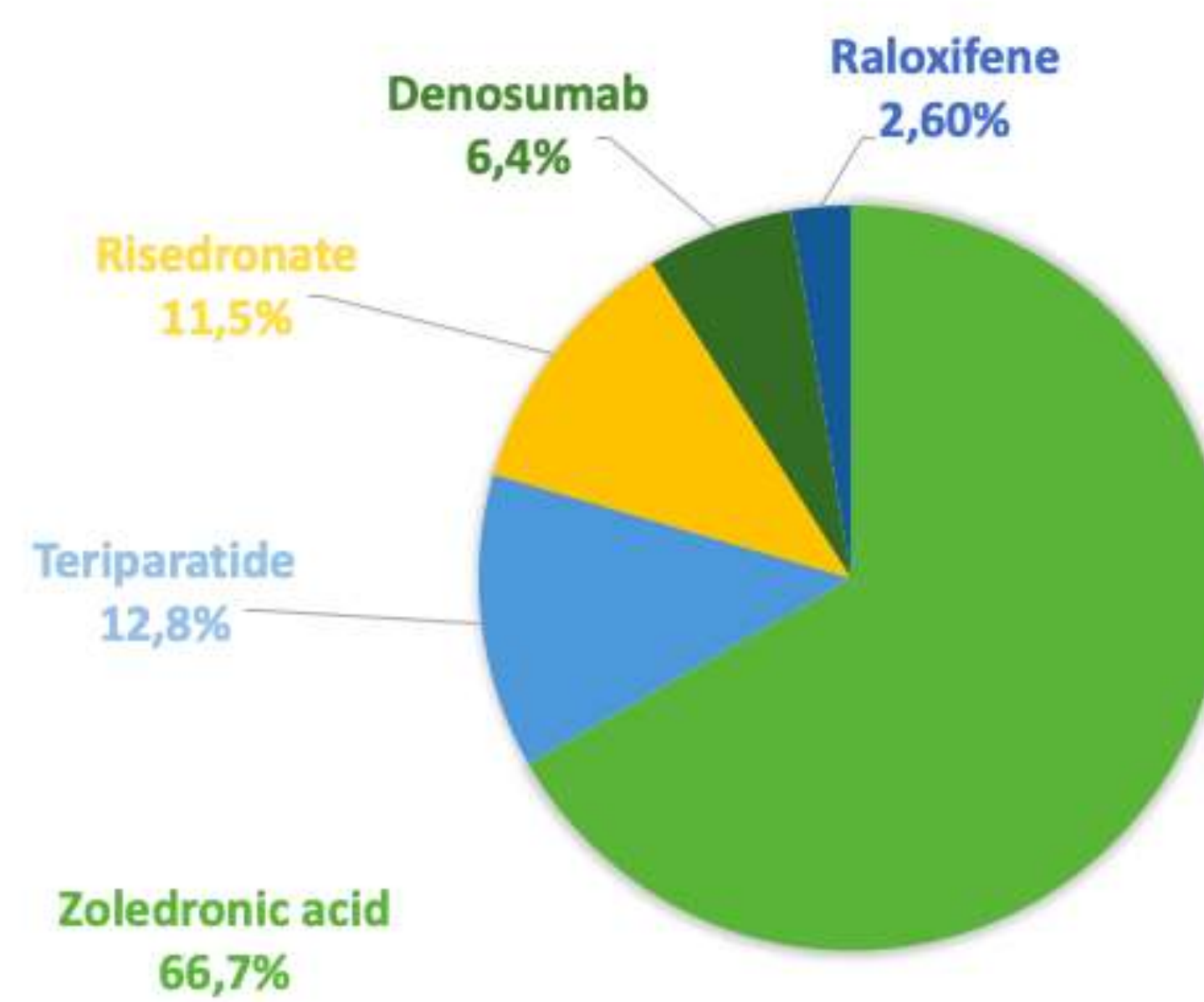
### Intervention

In total, 63 pharmaceutical interventions (PIs) were performed : 0.8 PI per patient

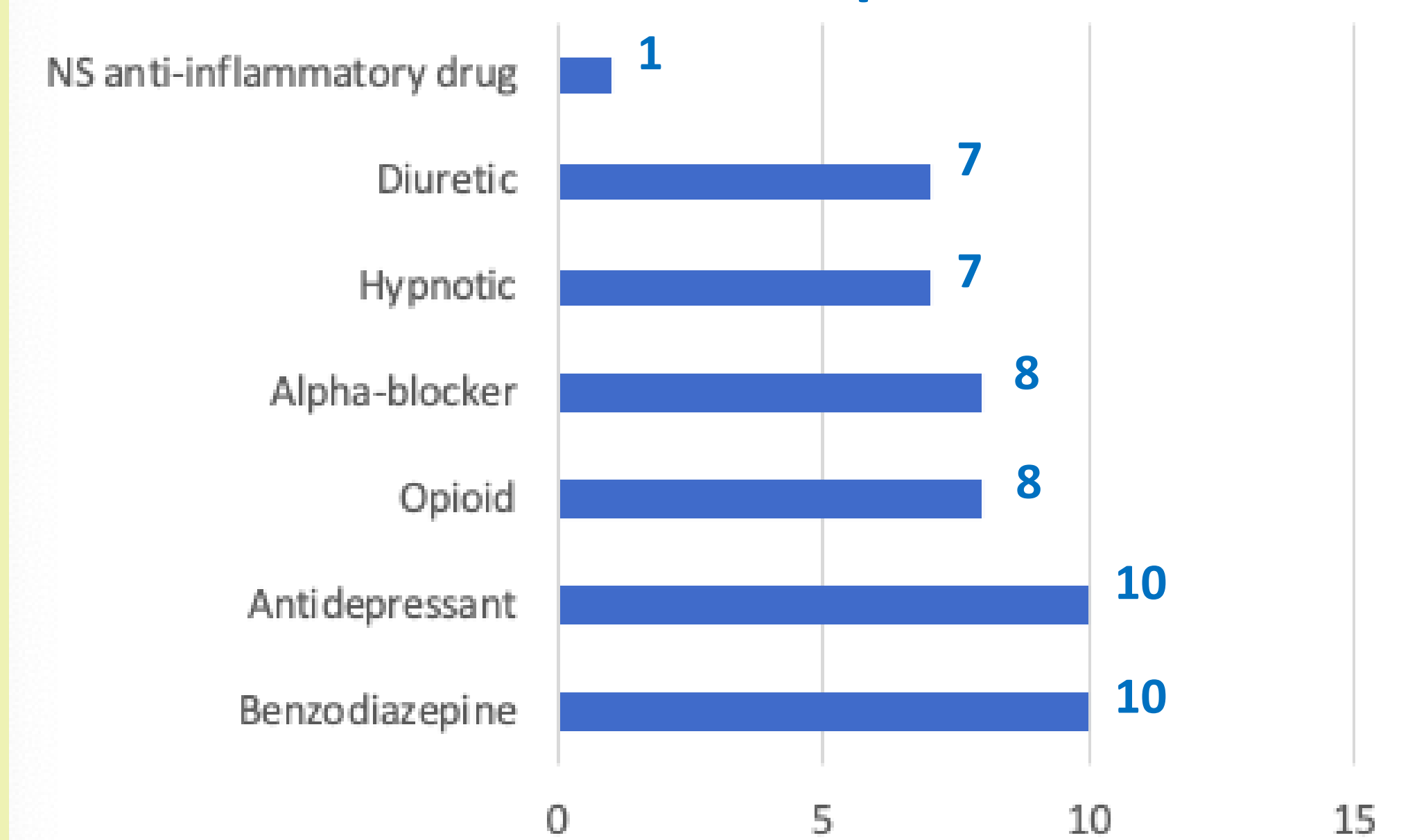
- ❖ 31 PIs performed to the rheumatologist → **100% Accepted**
- ❖ 32 PIs performed to GPs
- ❖ 5 smoking and alcohol cessation program were scheduled



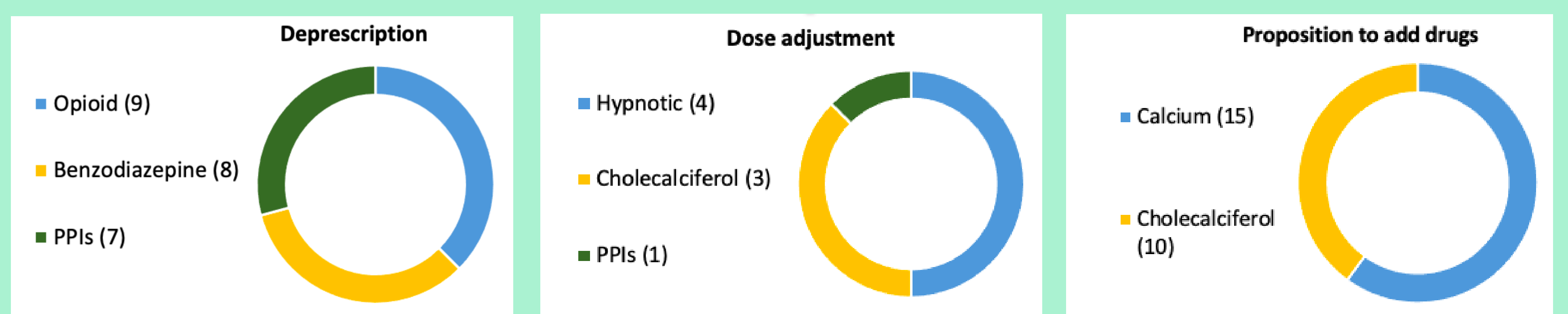
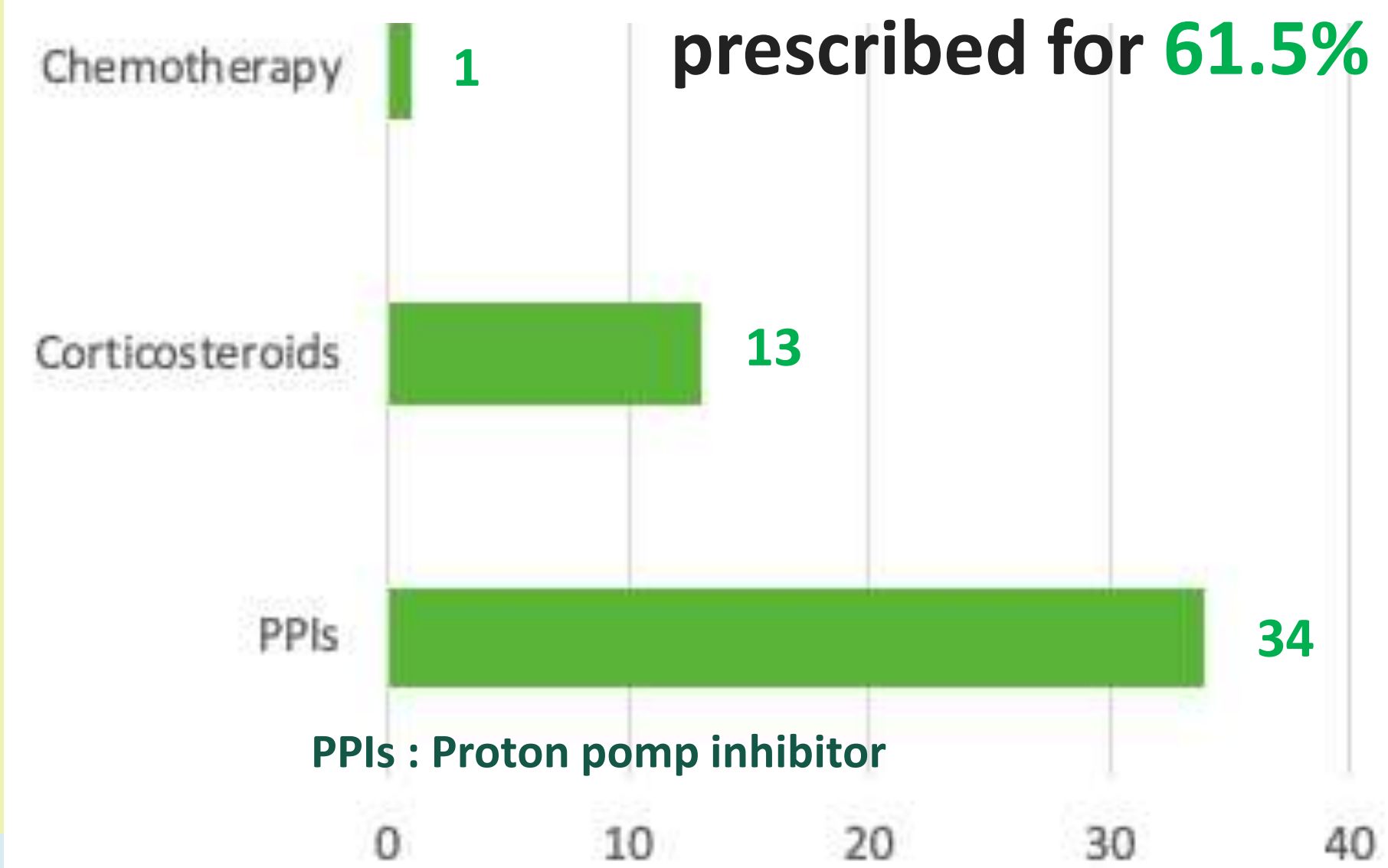
### 1. Drugs prescription in osteoporosis treatment



### 2. Fall-increasing risk drugs prescribed were for 44.8% patients



### 3. Drug-induced osteoporosis were prescribed for 61.5% patients



**Analysis : Different pharmaceutical interventions (PIs)**

→ The one-year hospitalization rate for falls and fractures is 5.1%.

## CONCLUSION AND RELEVANCE

This study highlights the positive impact of a clinical pharmacist intervention in an osteoporosis day hospital on therapeutic optimization and patients education about their disease and treatments. All PIs referred to the rheumatologist were accepted. A study is undergoing to evaluate the acceptance rate of the PIs referred to GPs.