

BACKGROUND

- Osteoporosis is an important public health problem leading to an increased risk of developing spontaneous and traumatic fracture. Worldwide, osteoporosis causes more than 8.9 million fractures annually, resulting in an osteoporotic fracture every 3 seconds.
- Osteoporosis is estimated to affect 200 million women worldwide - approximately one-tenth of women aged 60, one-fifth of women aged 70, two-fifths of women aged 80 and two-thirds of women aged 90

OBJECTIVES

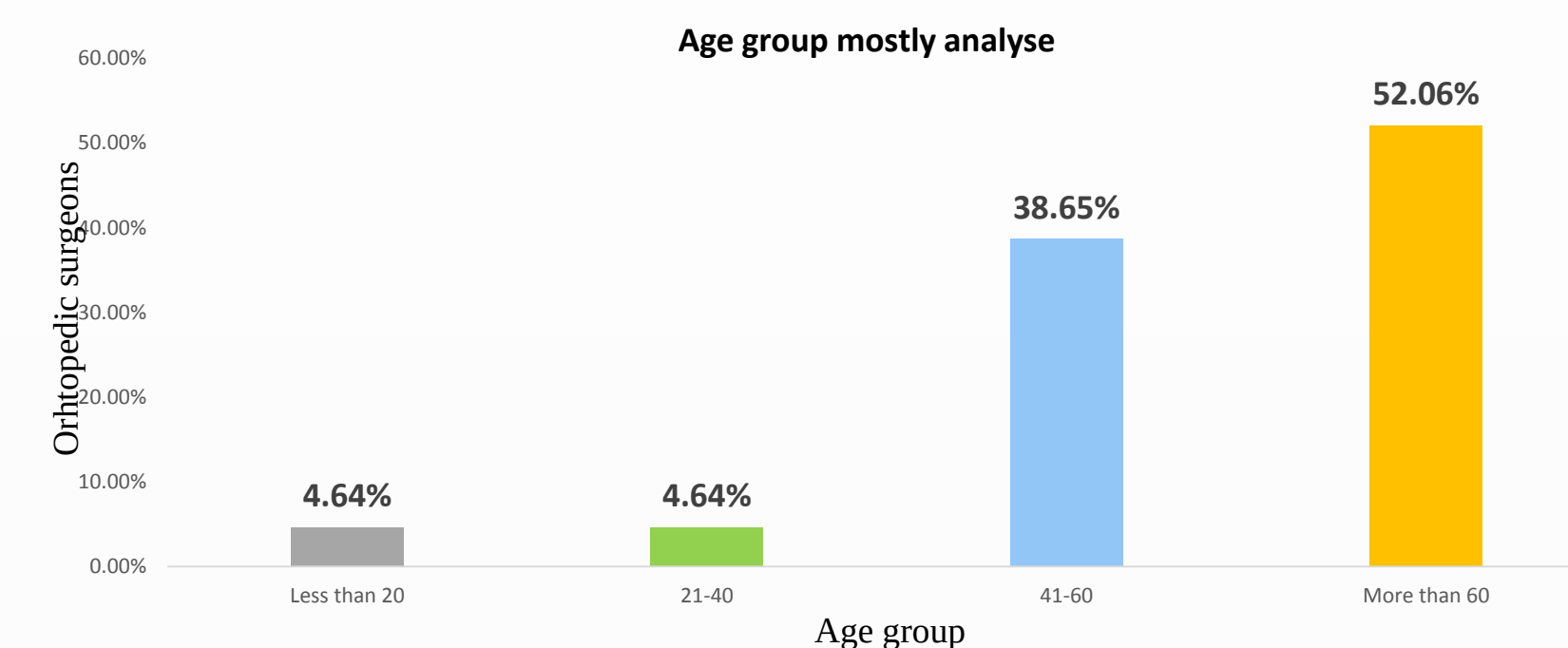
- Assessment of Calcium supplements usage in osteoporosis among orthopedic surgeons
- To identify the choice of drug by orthopedic surgeons in the treatment of osteoporosis.
- To identify Criteria by which orthopedic Surgeons prescribed drugs for Osteoporosis.

RESEARCH METHODOLOGY

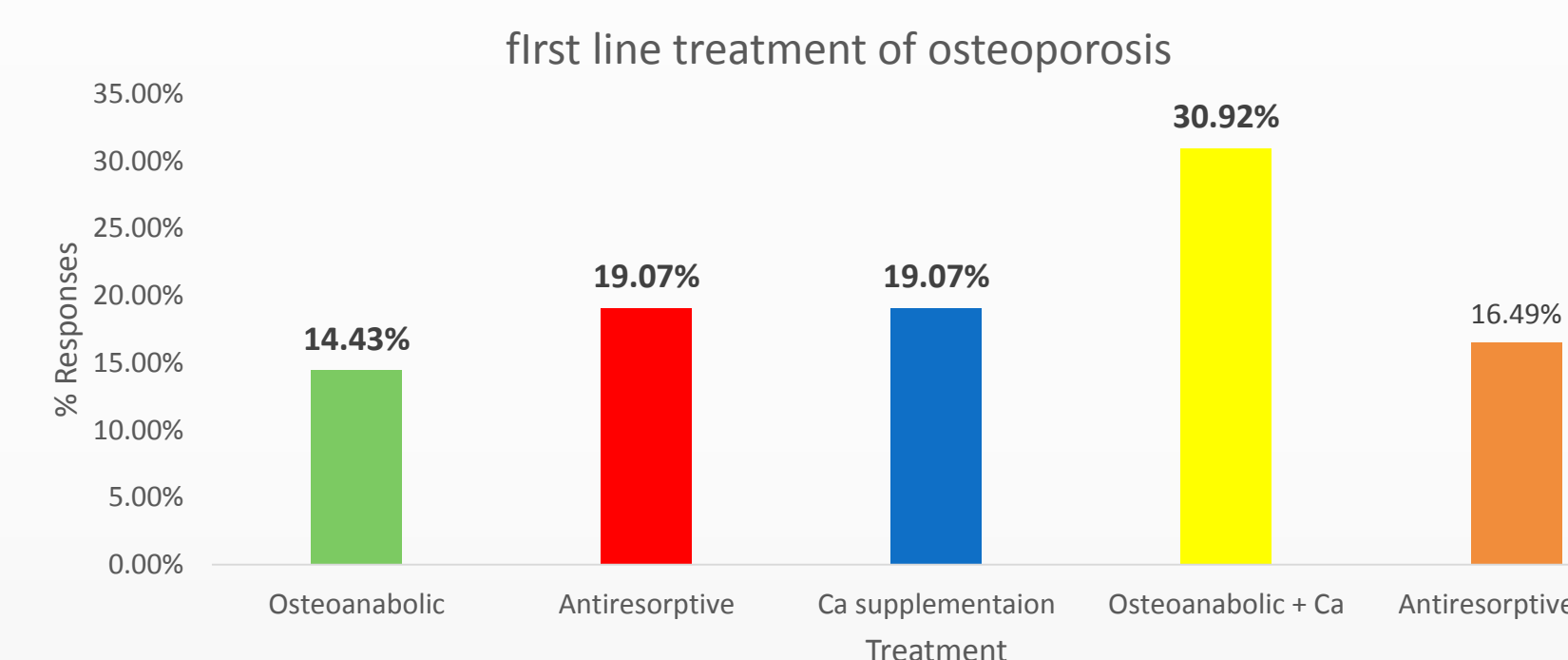
- **Research Design:** Descriptive study
- **Sample population:** Orthopedic Surgeons
- **Sample Area:** Ahmedabad, Delhi, Jaipur
- **Sample Size** 194
- **Sampling Technique:** Non-probability sampling technique
- **Collection of Data:** The research involved data collection from primary sources. The primary data collected through questionnaire and semi structure interview.
- **Data Analysis:** The data collected from questionnaire analyzed by MS- EXCEL and table, graph, chart, were used to present findings

FINDINGS

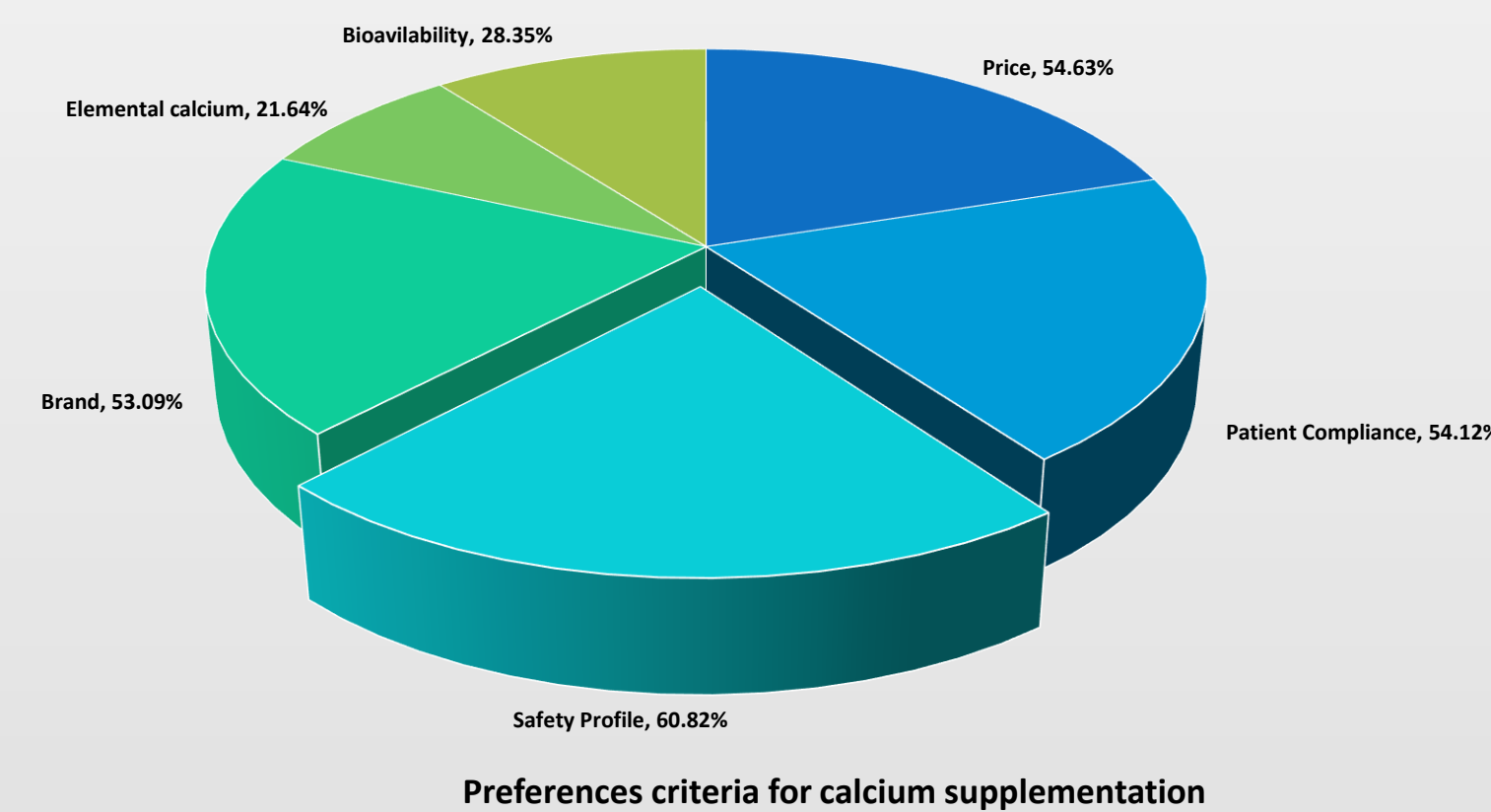
AGE GROUP MOSTLY ANALYSES



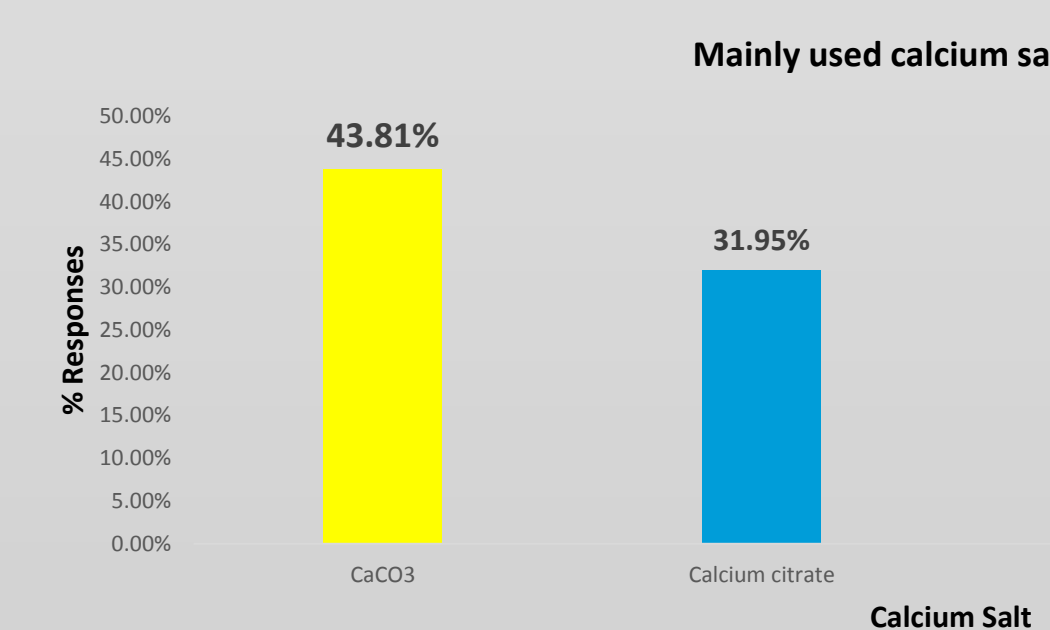
FIRST LINE TREATMENT OF OSTEOPOROSIS



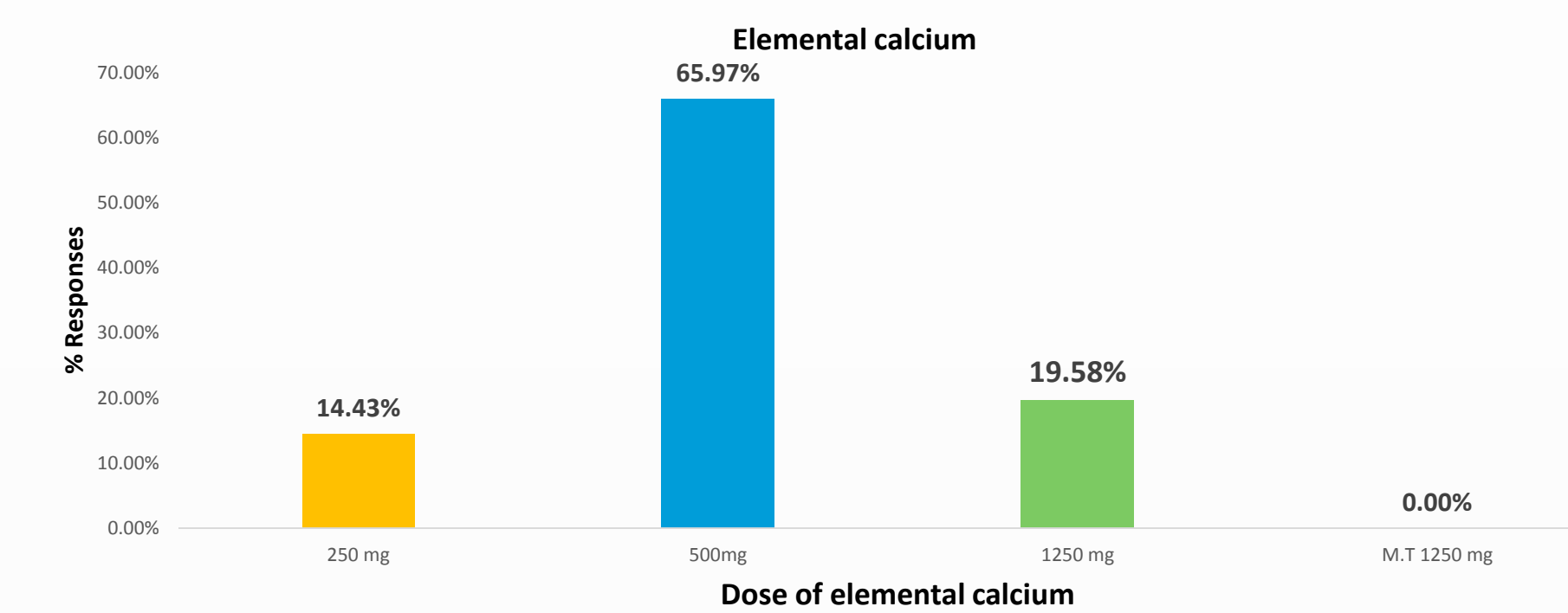
Preferences criteria for calcium supplementation



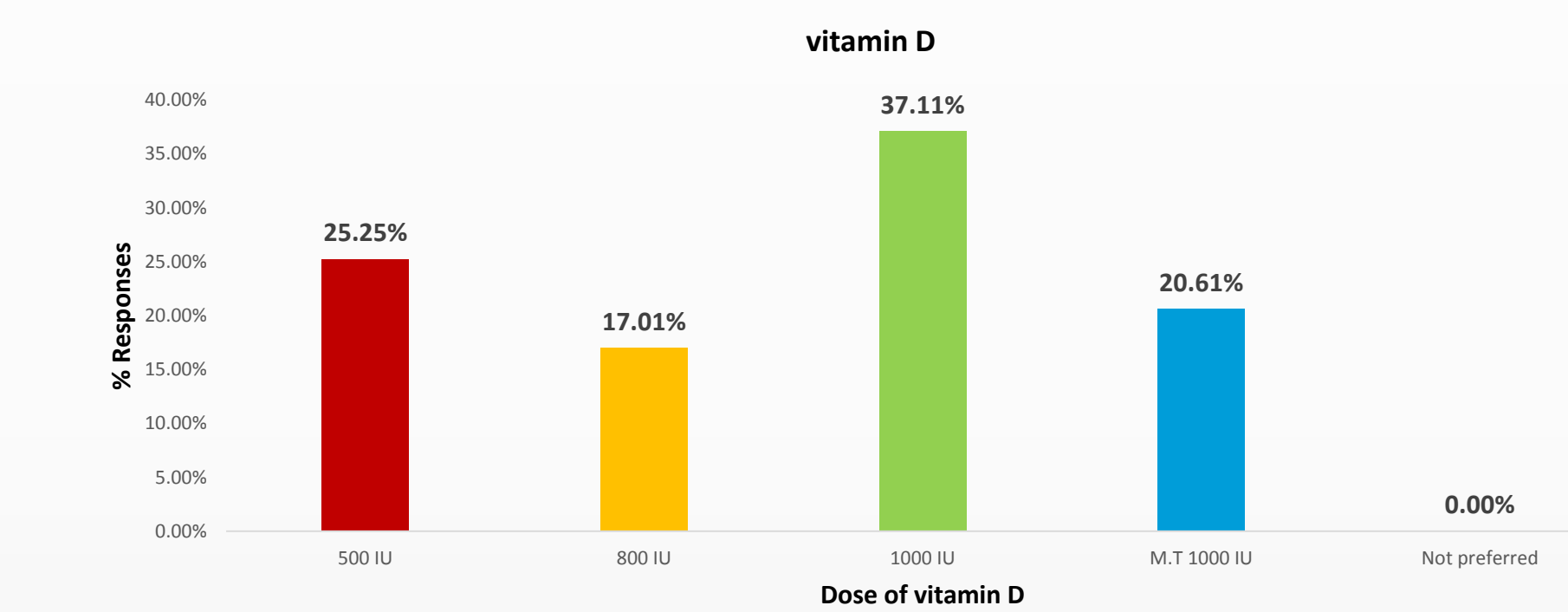
MAINLY USED CALCIUM SALT



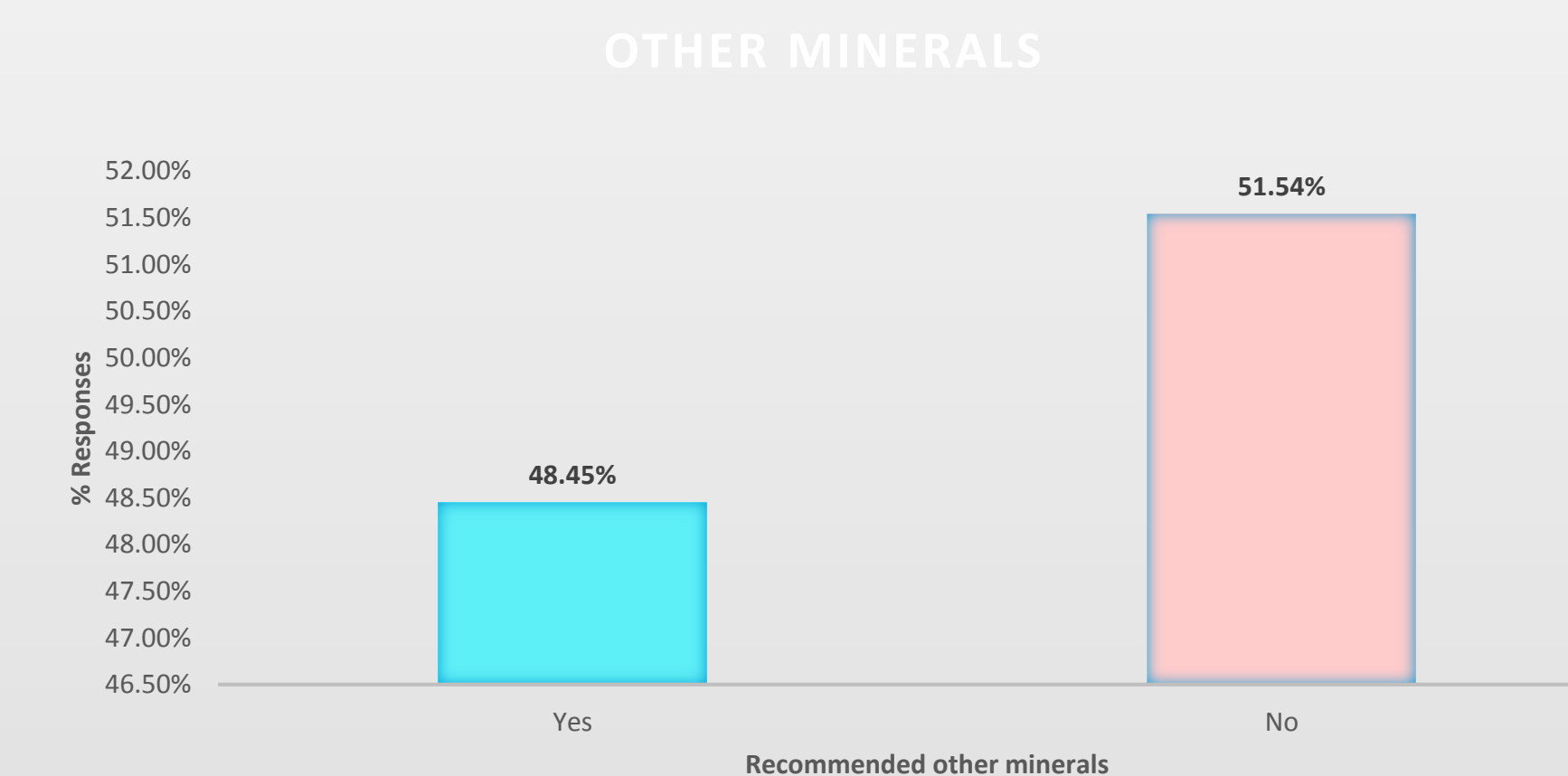
ELEMENTAL CALCIUM



VITAMIN D

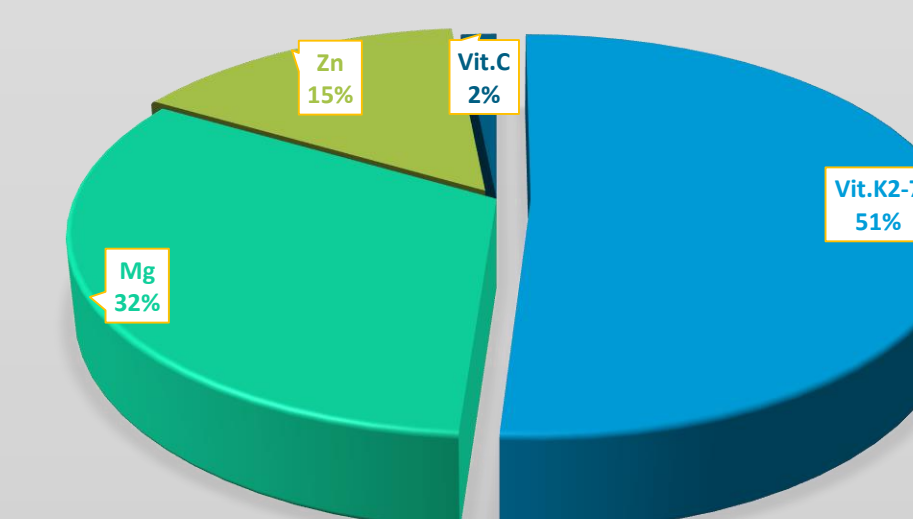


Other minerals



Other minerals

OTHER ELEMENTS RECOMMEND BY ORTHOPEDIC SURGEONS



CONCLUSION:

- Osteoporosis, though one of the most common diseases with patient frequency 41% to 60% osteoporosis patient in a day, mostly affecting more than 60 years people is also one of the most neglected diseases.
- In the present study, Orthopedic Surgeons mostly prescribe Osteoanabolic & Calcium supplement combination as a first line treatment in osteoporosis
- Orthopedic surgeons preferred CaCO3 as a calcium supplement mostly. Orthopedic surgeons preferred economical condition and safety compliances of patient to prescribing the osteoporosis drug.
- Most of the Orthopedic surgeons prescribe 1000 IU as a dose of Vitamin D & not preferred any minerals with combination.

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Ankit Khandelwal, Prachi Chavan**Dr.Saurabh Kumar****

*Student MBA PM 08, Roll no. 0060, Department of Pharmaceutical Management, The IIHMR University, Jaipur, Rajasthan.

**Product Manager , Zydus Cadila Pharmaceuticals Limited, Ahmedabad, Gujarat.

***Professor, Department of Pharmaceutical Management, The IIHMR University, Jaipur, Rajasthan