

Examination of the Changes in the Turkish Pharmaceutical Market Between 2007 and 2021

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INTRODUCTION

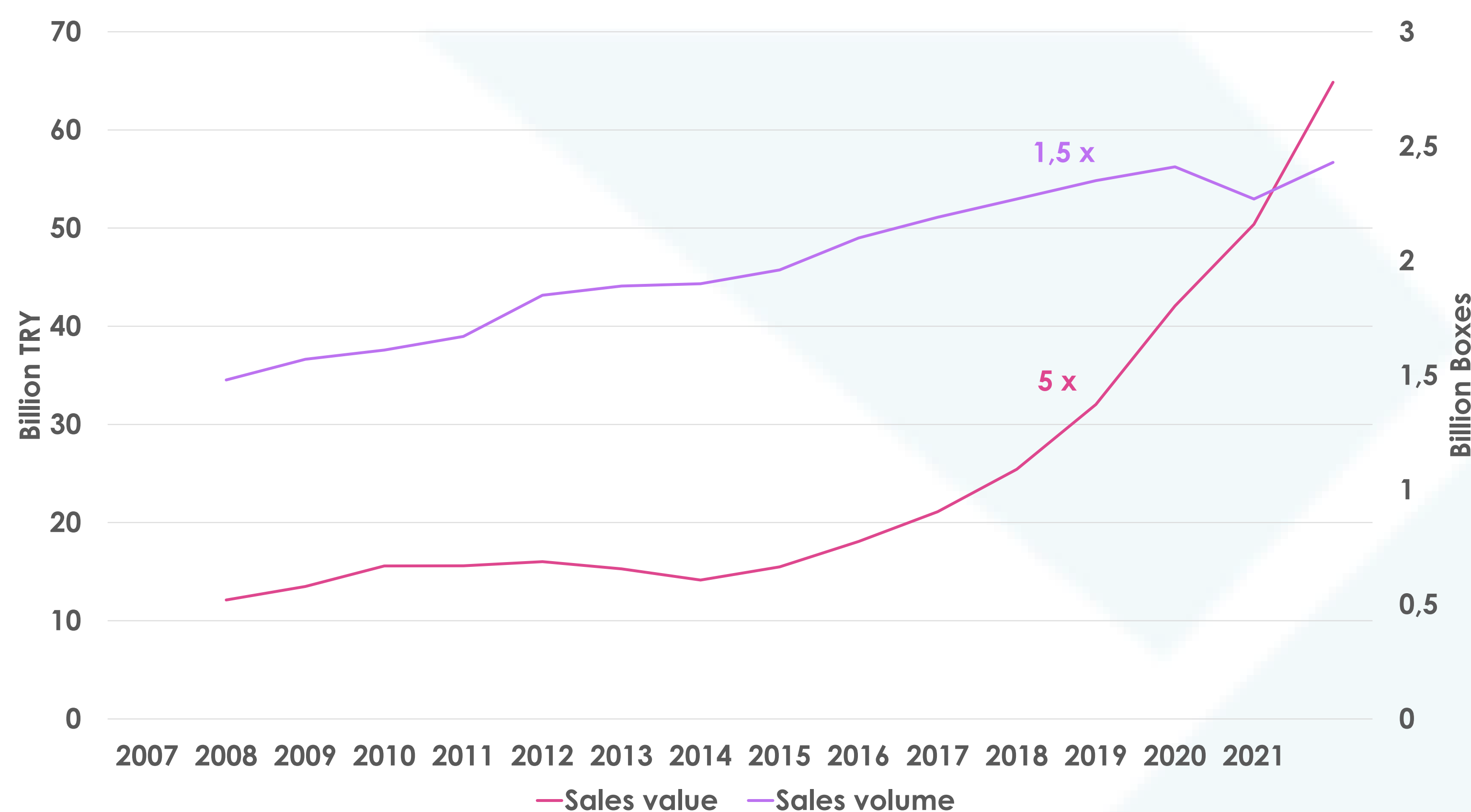
- Over the past 15 years, the pharmaceutical market in Türkiye has undergone significant development, marked by substantial advancements, regulatory changes, and considerable growth within the industry. These changes have had a profound impact on the healthcare sector of the nation.
- The objective of this project is to provide a comprehensive analysis of the dynamic transformations observed in the Turkish pharmaceutical market during the period from 2007 to 2021.

METHOD

- The analysis was carried out through a comparative examination of data sourced from the Observation Reports on the Turkish Pharmaceutical Market, which were meticulously prepared by the Turkish Pharmaceutical and Medical Device Agency (TITCK). Descriptive analyses for this study were performed employing the Microsoft Office Excel software program.

RESULTS

Sales Value and Sales Volume of Pharmaceuticals in the Turkish Pharmaceutical Market



Average Prices Per Box of Biotechnological Pharmaceuticals 2007-2021



- The aggregate worth of pharmaceutical sales has experienced a quintupling, escalating from TRY12 billion to TRY64 billion. Concurrently, the volume of pharmaceutical sales has surged by a factor of 1.5, culminating at 2.4 billion boxes. The mean price per unit of pharmaceuticals has tripled, progressing from TRY8 to TRY27. While the sales volume of medications covered by insurance has seen a decrease, sales of over-the-counter pharmaceuticals have shown an increase, encompassing 23% of the total pharmaceutical market.
- The share of domestically produced pharmaceuticals, both in terms of sales and value, has risen from 79% to 88% and from 50% to 52%, respectively, in comparison to imported pharmaceuticals. The unit price of imported pharmaceuticals has increased fivefold, reaching TRY105, whereas domestic pharmaceuticals have surged by a factor of four, reaching TRY16 per unit.
- The sales volume of biotechnological pharmaceuticals has quadrupled, achieving a quantity of 38 million boxes. The proportion of the biotechnological pharmaceutical market in the overall pharmaceutical industry has tripled. The mean price per unit of biotechnological pharmaceuticals has tripled as well, reaching TRY302.
- Additionally, the sales value of biosimilar pharmaceuticals, which had initially been negligible, has augmented by a remarkable factor of 390, attaining a value of TRY12 billion.

CONCLUSIONS

- The pharmaceutical sector has undergone significant transformations in the dynamics of medicine sales over the course of several years. In general, there has been a consistent and sustained increase in the total sales value of pharmaceutical products.

REFERENCES

1 Tıraş, H. H. / Journal of Economic Research (2020), 1(1), 42-59.

Abbreviations: TITCK: Turkish Pharmaceutical and Medical Device Agency, TRY: Turkish Lira

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