

# To Study Analyse the supply chain system for anaemia drug in Uttar Pradesh.



## About Organization

IHAT was instituted in 2003 as a Charitable Trust under the Indian Trust Act, 1882 and is registered with the Ministry of Home Affairs under the Foreign Contribution. IHAT works closely with national and state governments, and with vulnerable populations in India to reduce inequity in access and to improve the availability, quality and utilization of public health services.

UPMSC is an organisation for centralized procurement and supply chain management of drugs, equipment and medical supplies for all the public health facilities of Uttar Pradesh. Drugs and Vaccine Distribution Management System (DVDMS) records and monitoring related to requirement, purchase orders, supply of drugs and medical equipment.

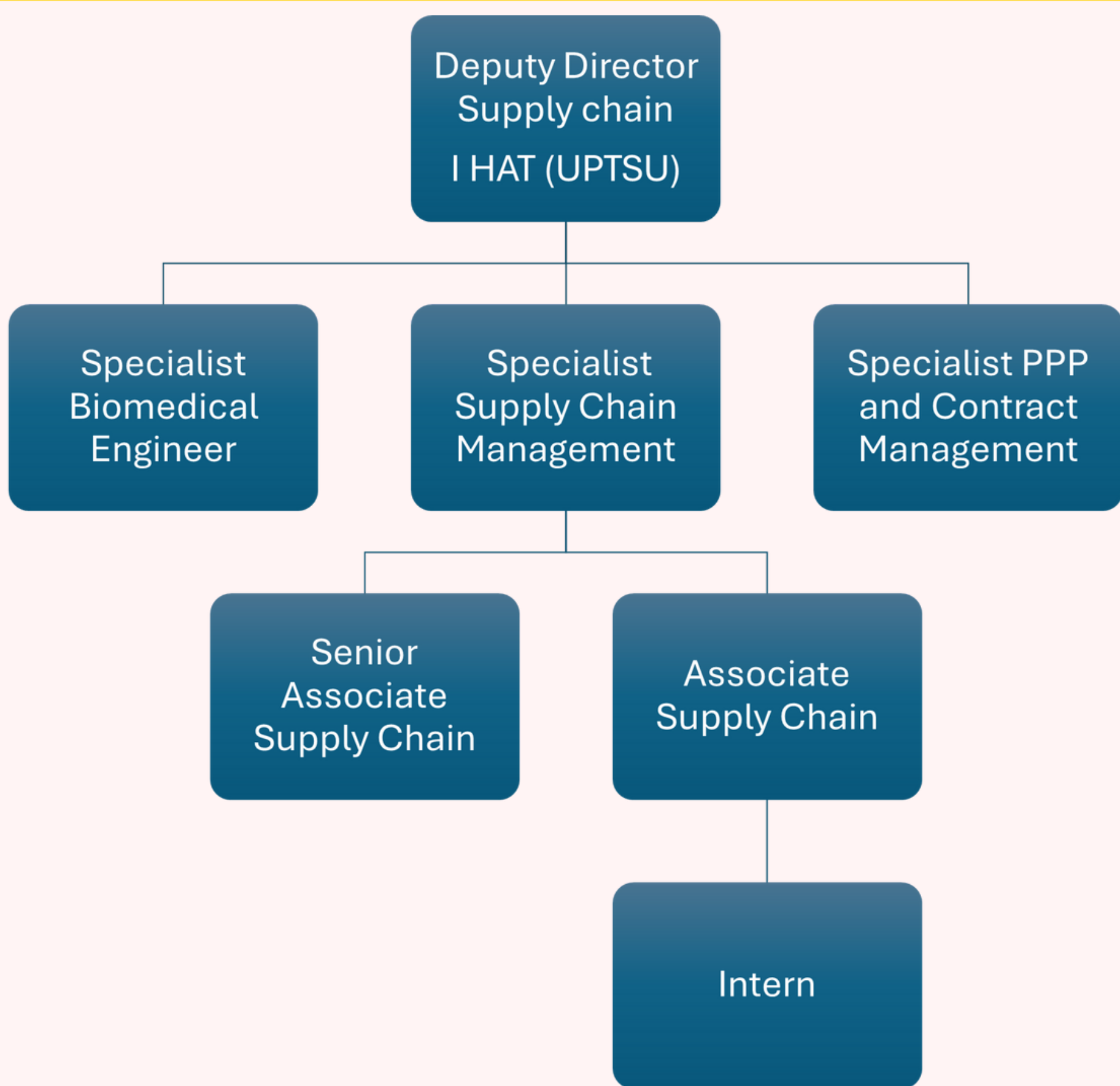
## Mission

"Meaningfully impact the lives of vulnerable and marginalised people by addressing health and social inequities".

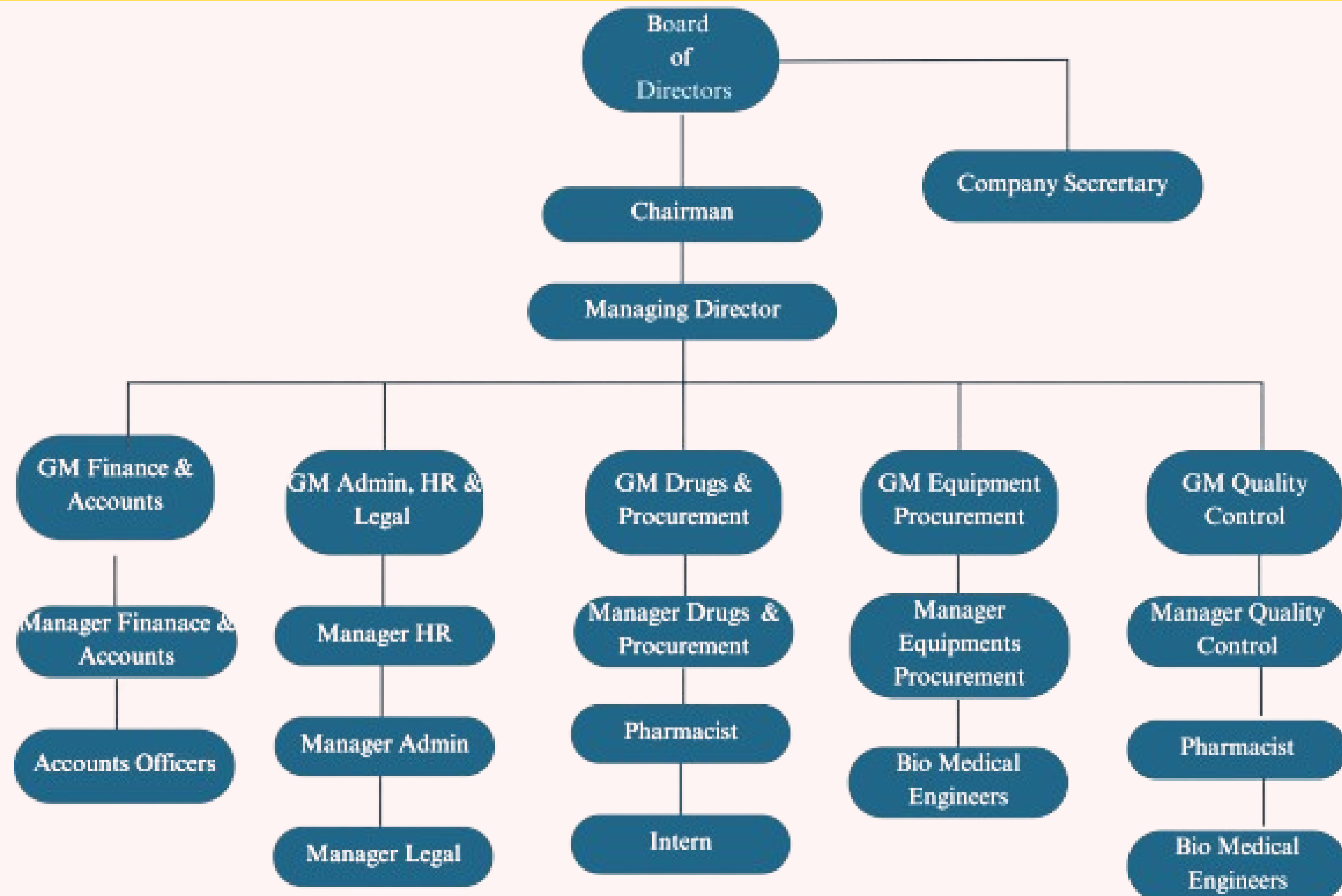
## Vision

To meet the dynamic needs of state health. It strives to maintain the adequate availability of drugs, equipment and other consumables at warehouses by obtaining best procurement procedures.

## Organization Chart (IHAT - UPTSU)



## Organization chart (UPMSCL)



## Introduction

Iron deficiency anaemia is major problem in India. Anaemia decreases haemoglobin levels, affects over 2 billion people across the worldwide and more then it affects adult population in India. Uttar Pradesh is the largest state in India which are currently facing this problem. IFA (iron folic acid) is a tablet which is used in the treatment of iron deficiency anaemia. There are 3 types of tablets, in which IFA pink tablet is used for the age group of 6-10 years, IFA Blue tablet is used for the adults (11-19 years) IFA blue, and IFA Red tablet used for the Pregnant and lactating women. This research is to analyse the compared data of no of purchase order placed for public health sector and to identify the total consumption consumed by peoples of Uttar Pradesh state.

## Objective

- To Analyse the consumption pattern of IFA (Red, Blue, Pink) tablet of last 5 years.
- To study the improvement of supply chain system of anaemia Tablet.

## SWOT Analysis

### STRENGTHS

- Secondary data of consumption and purchase order of last 5 years were provided, by which it can be easily identified the increment in quantity of consumption and purchase order of IFA Tablet.
- Increase in iron tablet consumption can lead to a significant reduction in anaemia, particularly among women and children.

### WEAKNESS

- Difficulty in reaching remote and rural populations due to inadequate infrastructure so, it also challenges in maintaining a consistent supply of iron tablets.

### OPPORTUNITIES

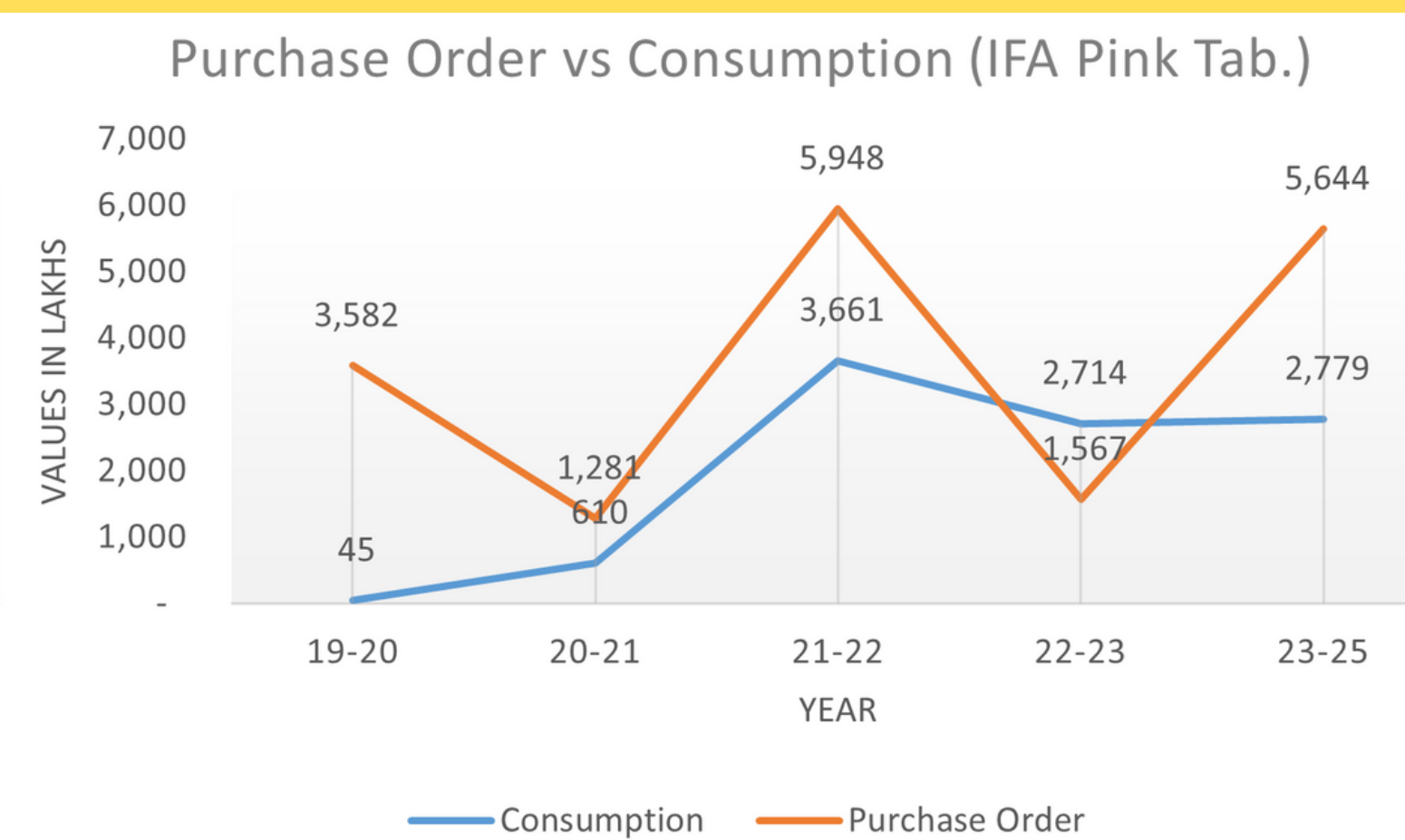
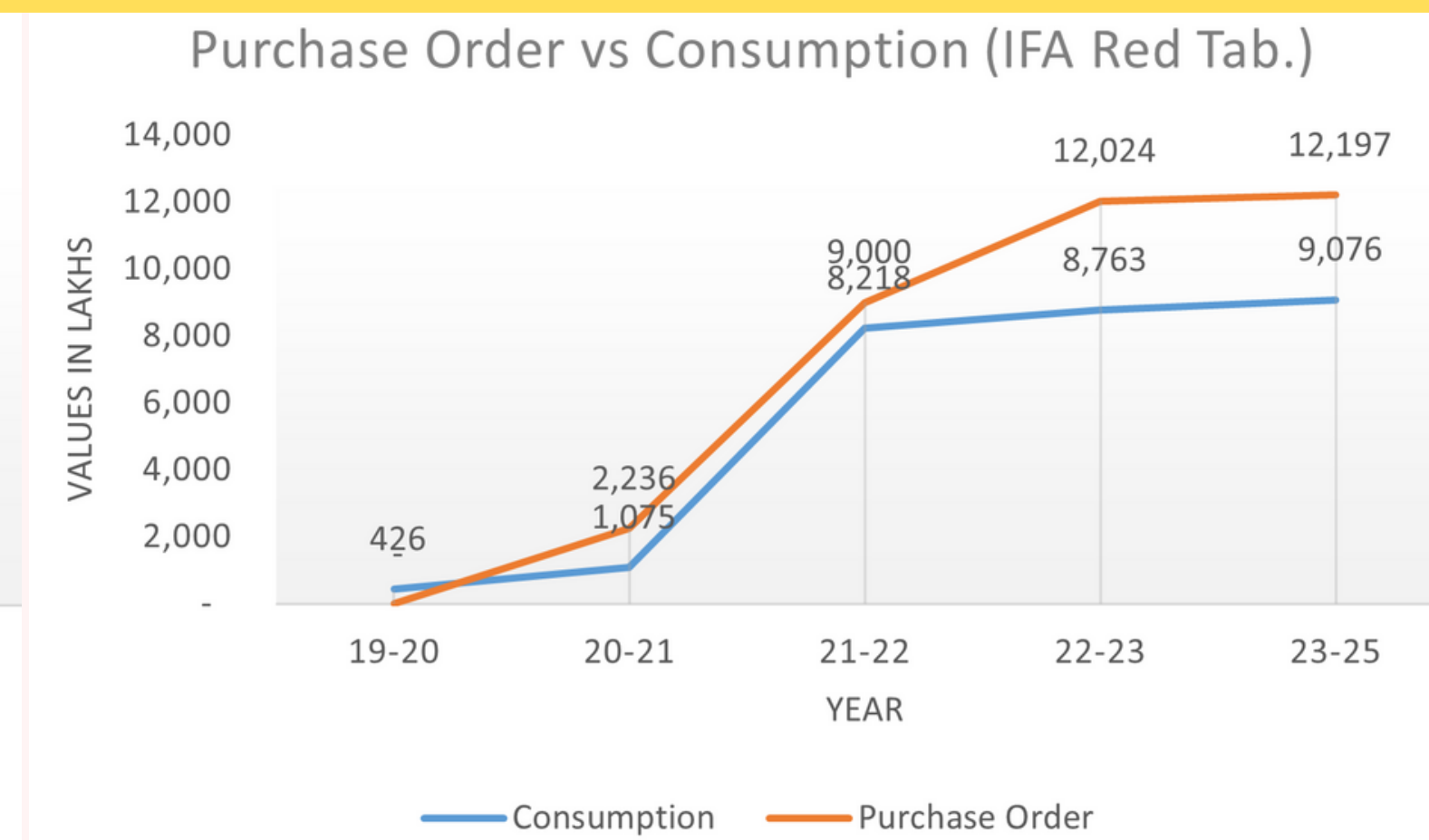
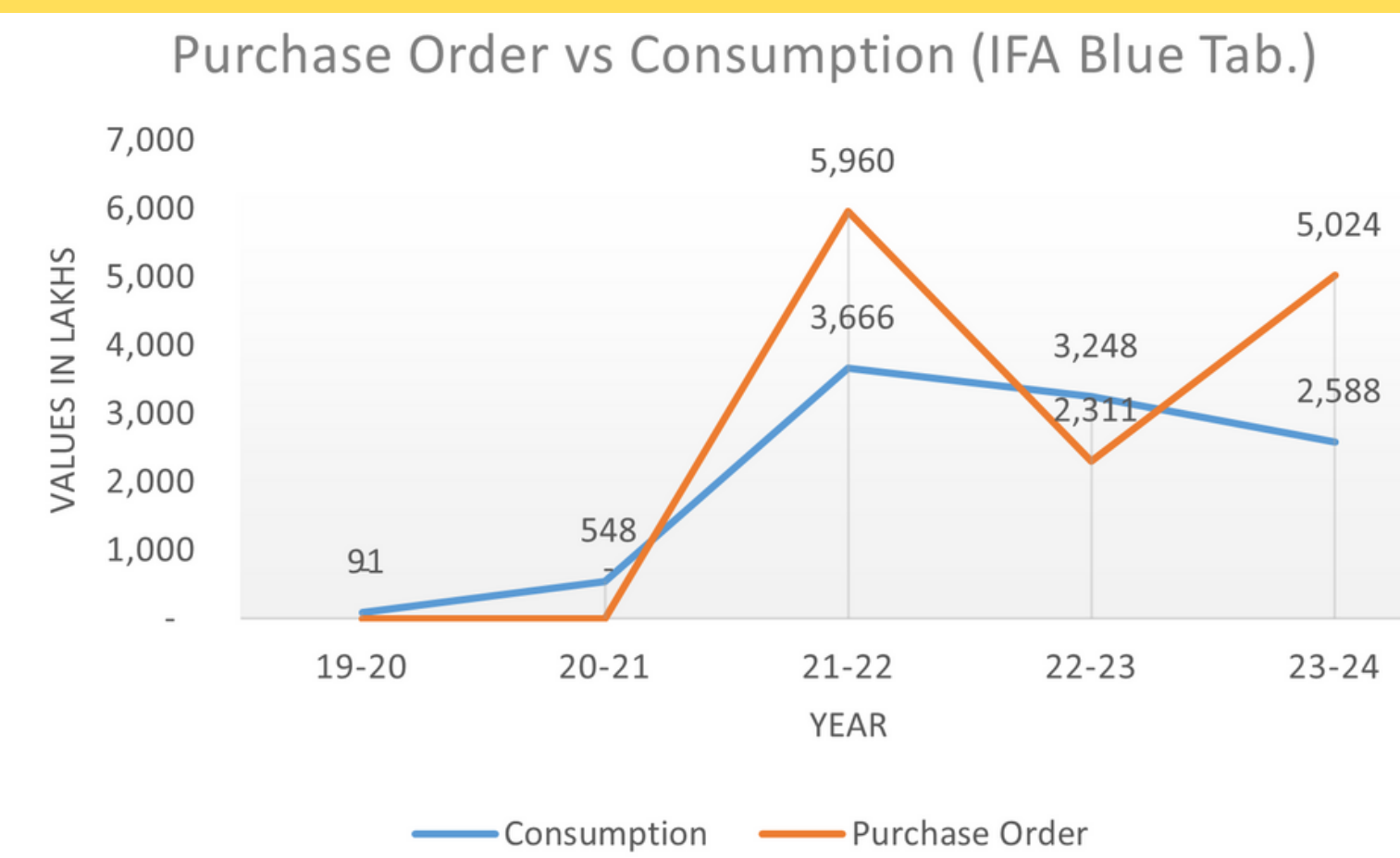
- With the use of technology better distribution and monitoring of iron tablet consumption can be done.
- Collaboration & Partnerships with non-governmental organizations to enhance reach and effectiveness of supply chain of IFA tablet.
- opportunity to execute last mile delivery of IFA tablet which may help to increase the distribution and reduce the prevalence.

### THREATS

- Potential Risk of iron overload in individuals with conditions like abdominal pain, irregular heart rhythm.
- Changes in government policies and regulations that may affect the continuity of iron supplementation programs.

SWOT

## Analysis



A quantitative analysis is done based on secondary data of year 2019-24. In which a data of 2021-22 have the highest purchase order and consumption of IFA blue tablet in compared to other years data.

A quantitative analysis is done based on secondary data of year 2019-24. In which a data of 2023-24 have the highest purchase order and consumption of IFA red tablet in compared to other years data.

A quantitative analysis is done based on secondary data of year 2019-24. In which a data of 2021-22 have the highest purchase order and consumption of IFA pink tablet in compared to other years data.

## Suggestions

- Launch targeted health campaigns to educate people about the importance of iron and the risks of iron deficiency. Use various media channels, including radio, television, social media, and community outreach.
- Integrate iron supplementation awareness into school health programs. Educate children and adolescents about the benefits of iron for growth and development.
- Collaborate with non-governmental organizations to support distribution, education, and monitoring efforts.

## Conclusion

- Across the different types of IFA (Blue, Red, and Pink), the purchase and consumption patterns show variability, indicating different dynamics in each product category.
- When IFA tablet consumption is increase then iron deficiency anaemia is decreased

## Usefulness of Internship

- Provided a platform to develop various skills such as communication, negotiation skill, data analysis, inventory management which can help to enhance resume building for the upcoming opportunities.
- Got the opportunity to visit an ideal drug warehouse where such activities like inventory management, ILR (Ice Lined Refrigerator) and learnt drug warehouse manual were got to know.

## Learnings

- Understanding how to distribution of drug and vaccine in Uttar Pradesh.
- Development of various professional skills such as time management, Data management, teamwork.
- Visited ideal drug warehouse learn about of how to operate ideal drug warehouse.
- Knowledge about of the Drug Vaccine Distribution Management System (DVDMS) portal.
- Learn about ABC-VED analysis.
- Learnt about the technical bid evaluation in the process of procurement.

## Difference between Practical exposure and theoretical understanding

### THEOROTICAL UNDERSTANDING

Focuses on acquiring knowledge through studying concepts, principles, and frameworks related to supply chain management.

### PRACTICAL EXPOSURE

Involves hands-on experience and direct involvement in real world of supply chain management activities.

## Challenges During internship

- Lack of experience it is challenging to navigate workplace dynamics.
- Also challenging time management daily routine activities during work.



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