

Determining The Availability & Price Difference Of Antibiotics Drugs Enlisted In Who Essential Medicines List Between The Retail Pharmacy Stores & Jan- Aushadhi Stores

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OVERVIEW

- Affordability of medicines is one of the major concerns in India
- Government started Jan-Aushadhi scheme in 2008 to solve this where people can avail cheap Generic medicines with utmost quality
- This project covers about the price difference of Antibiotics mentioned in the Essential list of WHO in Jan-Aushadhi store and Retail stores
- A small awareness study was conducted to understand the awareness of Jan-Aushadhi store amongst the people
- After the study of the project it was seen that there is a huge price difference in most of the products and there is a problem of Availability of medicines at Jan-Aushadhi stores. Also, it was seen that there is a lack of awareness of Jan-Aushadhi store among the people

OBJECTIVES

- To analyse the availability and price difference of Antibiotics WHO Essential Medicines between the Retail Pharmacy Store & Jan-Aushadhi Store
- To determine the awareness of Janaushadi store and Generic medicines in general public

RESEARCH QUESTION

- Is the Antibiotics WHO Essential Medicines available in the Retail Pharmacy Store & Jan-Aushadhi Store?
- What is the price difference between Retail Pharmacy Store & Jan-Aushadhi Store?

METHODOLOGY

- This study is a descriptive exploratory study, which involves the study of various research articles, books, and publications to know about the working of Jan-Aushadhi stores.
- Also, to know which medicines are available there from the essential list of medicine and pricing along with the availability of selected anticancer drugs.

INTRODUCTION

- The WHO List of Essential medicines contains the medications considered to be the most effective and safe to meet the most important needs in a health system
- WHO mentioned 50 antibiotics in the WHO list of essential medicines
- Bacterial infections have a massive effect on public health, they are responsible for various infections
- One of the biggest threat today to global health, food security is **Antibiotic resistance**. It majorly occurs due to overuse of Antibiotics and this cause the longer stay in hospitals, higher medical costs and increased mortality



INTRODUCTION

- In 2019, WHO (World health organization) has developed the AWaRe classification of antibiotics, to improve the use of Antibiotics
 - Access group
 - Watch group
 - Reserve group

RESULT & DISCUSSION

No. of Antibiotics in EML	Total Dosage form	Available	Not Available
50	77	53	24

- WHO has listed 50 medicines in its essential medicine list with total 77 dosage forms
- Out of this 53 dosage forms are available and 24 dosage forms are not available
- If we talk about the drugs out of 50 only 24 are available at the Jan-Aushadhi stores

RESULT & DISCUSSION

No. Of Available Products	Price difference more than Rs. 50
53	26

- Out of 53 drugs available at Jan-Aushadhi store 26 products have a price difference of above 50 Rs
- Most of the drugs which has the highest price difference were of class Cephalosporin's, Penicillin's
- Price difference of above 500 was seen in the drugs belonging to Carbapenem group



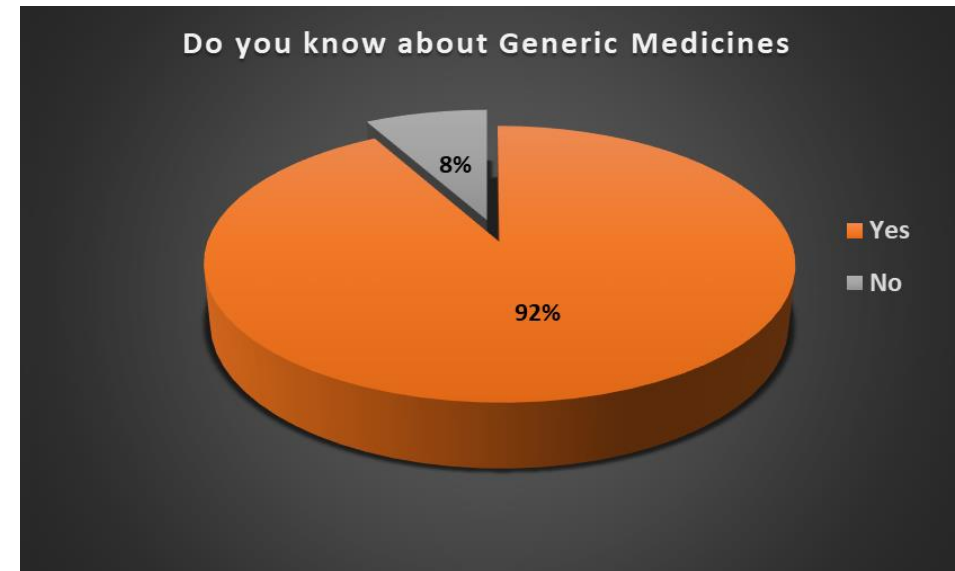
RESULT & DISCUSSION

Drug name	Generic name	Price	Retail price	Difference
Imipenem And Cilastatin	Imipenem And Cilastatin Inj IP (500mg+500mg)	₹ 385.00	₹ 898.00	₹ 513.00
Meropenem	Meropenem Injection IP 1gm Vial & wfi	₹ 214.60	₹ 1,600.00	₹ 1,385.40

- The most preferred antibiotic Meropenem was seen to be having the highest price difference
- It was seen that the MRP of the above drug is around 1600 Rs whereas the same molecule is available in Jan-Aushadhi store at 214.60 Rs which is four times lesser
- The reason of great expectance of Meropenem in market remains the wide spectrum coverage of the molecule for various bacteria and wide therapeutic use

RESULT & DISCUSSION

- A small survey was done amongst for knowing the awareness of Generic medicines and Jan-Aushadhi stores
- It was seen that most of the population are aware of Generic medicines



- The other response was taken for the awareness of Jan-Aushadhi stores
- From the response it was seen that most of the population are not aware or not listened about the Jan-Aushadhi stores
- This is one of the major drawbacks as people can't take benefit of the same due to lack of awareness

CONCLUSION

- The study of the project reveals that there is a great problem of affordability in some of the antibiotics
- It is estimated that, there are around 7500 Jan-Aushadhi stores in India to provide cheap but quality medicines to the masses with the help of BPPU (Bureau of Pharma Public Sector Undertakings of India)
- But only 26 drugs out of 50 mentioned in the WHO List of Essential Medicines are available at the Jan-Aushadhi stores and 24 drugs are not available
- Poor supply chain and Political factors remain the cause of Unavailability of Medicines at the Jan-Aushadhi stores
- The study revealed that most of the drugs have a price difference of above 50Rs and it was seen the most widely used Antibiotic i.e., Meropenem, Imipenem was having the highest price difference of 1385 Rs and 513.85 Rs respectively
- There is also lack of awareness amongst people about Jan-Aushadhi stores

THANK YOU!!

