

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai

Approved by Pharmacy Council of India, New Delhi.

Coimbatore -641035

COURSE NAME : HOSPITAL AND CLINICAL PHARMACY

D.PHARM/ II YEAR

TOPIC: HOSPITAL FORMULARY

DESIGN THINKING STAGES IN CLASSIFICATION:

Empathize: Understand the users - in this case, students, pharmacists, or researchers who use the alphabetical classification system.

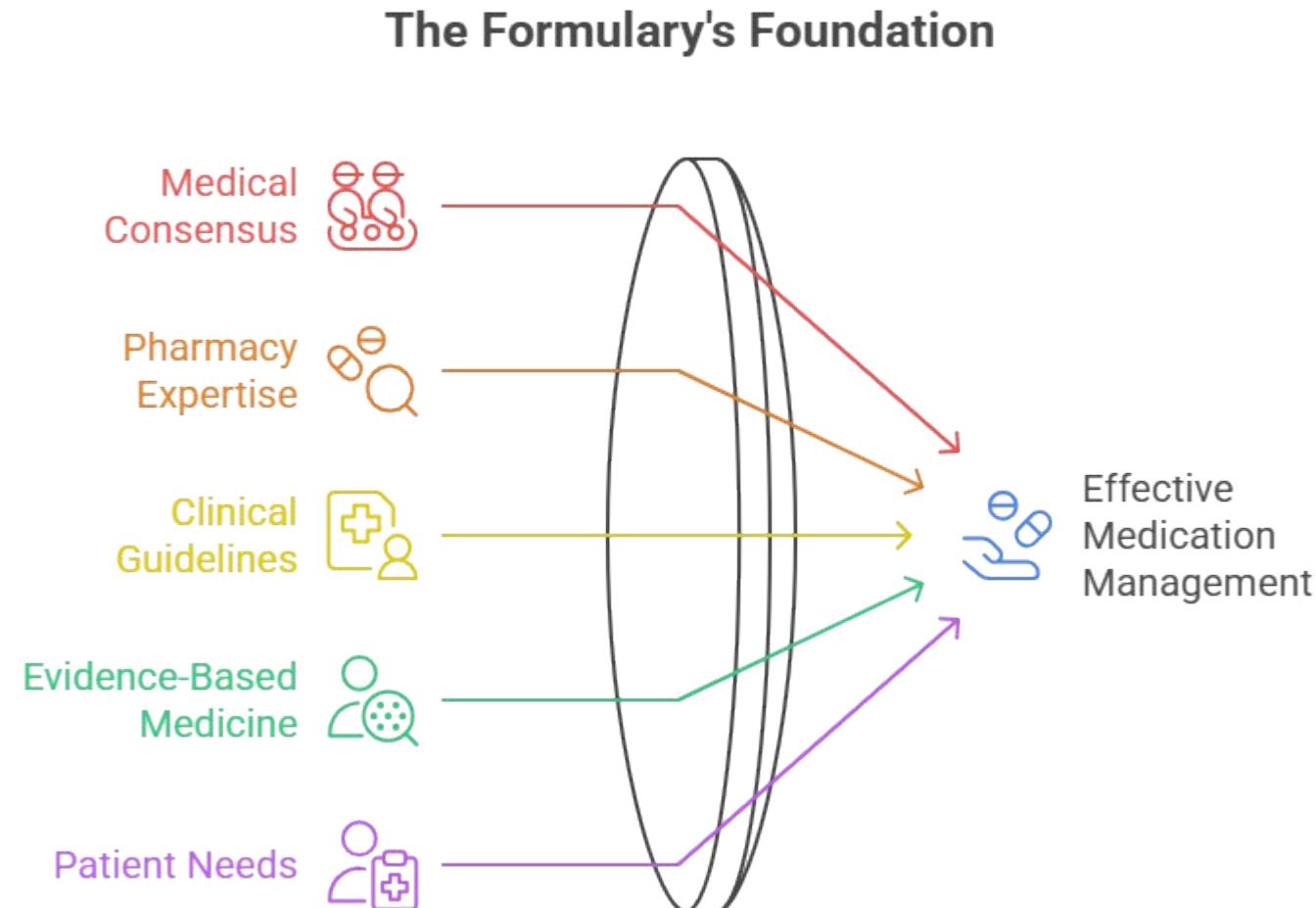
Define: Clearly define the problem based on the insights from the empathize stage.

Ideate: Generate possible solutions or improvements.

Prototype: Create a tangible version of your solution

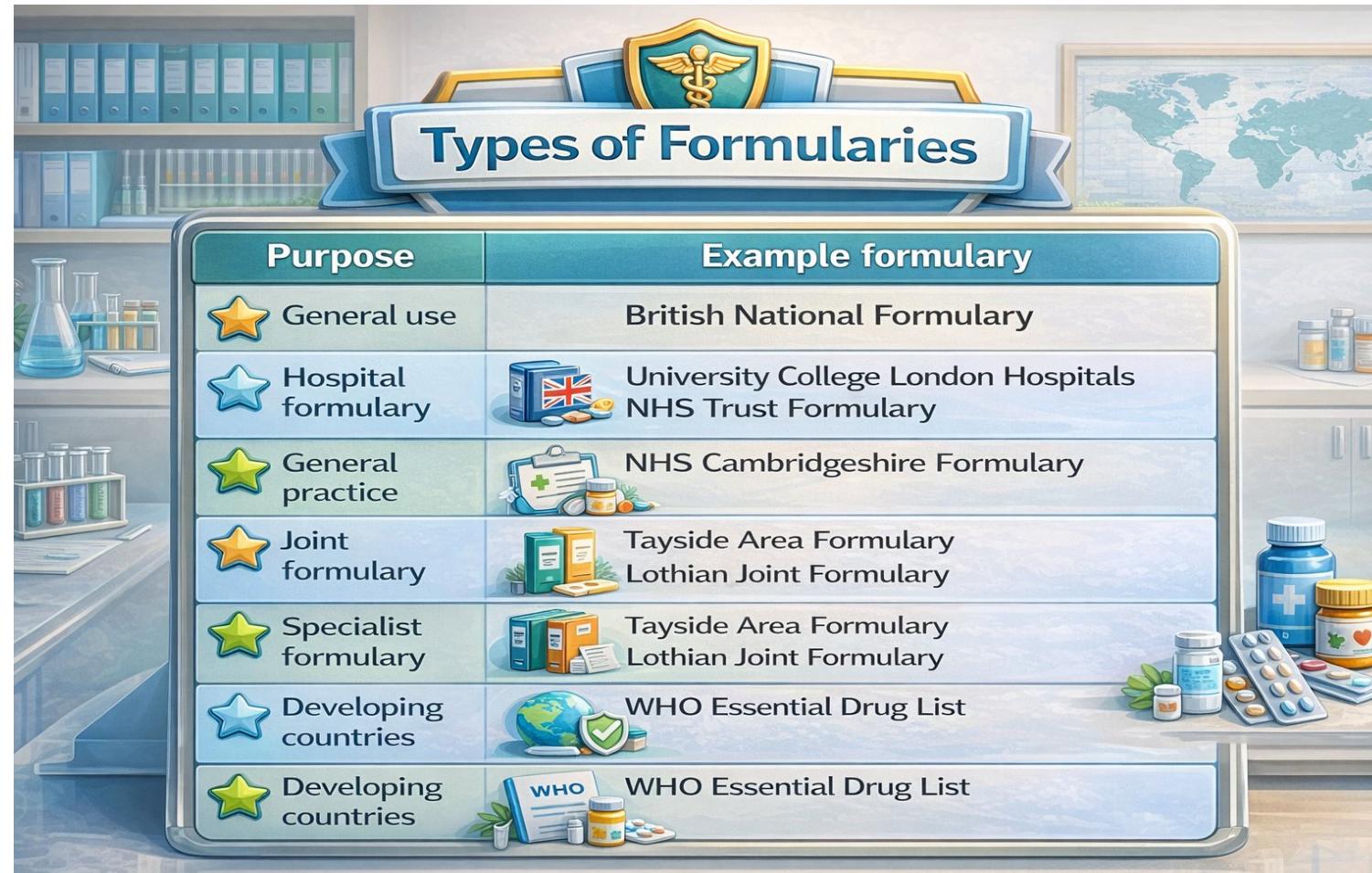
Test: Evaluate the prototype with real users.

FORMULARY FOUNDATION ON HOSPITAL FORMULARY



Made with  Napkin

TYPES OF FORMULARIES IN HOSPITAL



Purpose	Example formulary
General use	British National Formulary
Hospital formulary	University College London Hospitals NHS Trust Formulary
General practice	NHS Cambridgeshire Formulary
Joint formulary	Tayside Area Formulary Lothian Joint Formulary
Specialist formulary	Tayside Area Formulary Lothian Joint Formulary
Developing countries	WHO Essential Drug List
Developing countries	WHO Essential Drug List

MODEL FORMULARY COMPARISON FOR HOSPITAL FORMULARY

Model Formulary Comparison

Contents	WHO Model formulary 2002	Hospital formulary
Synonyms	✓	✓
Therapeutic Category	✓	✓
Use	✗	✓
Pregnancy risk factor	✓	✓
Contraindications	✓	✓
Precautions/Warnings	✓	✓
Dosage (Adult/Paediatric)	✗	✓
Drug interactions	✓	✓
Reconstitution and administration	✗	✓
Patient information	✗	✓
Brands available	✗	✓
Strength	✓ = Present, ✗ = Not present	

FORMULARY TIER STRUCTURE FOR HOSPITAL

The BOP 3-Tier 'Formulary' Structure

The same Generic medications can be made by different manufacturers.



- They may vary from yours in,
 - Size
 - Shape
 - Color
- Therefore, a heads-up from your legal team may make this a less stressful event.

Defined as:

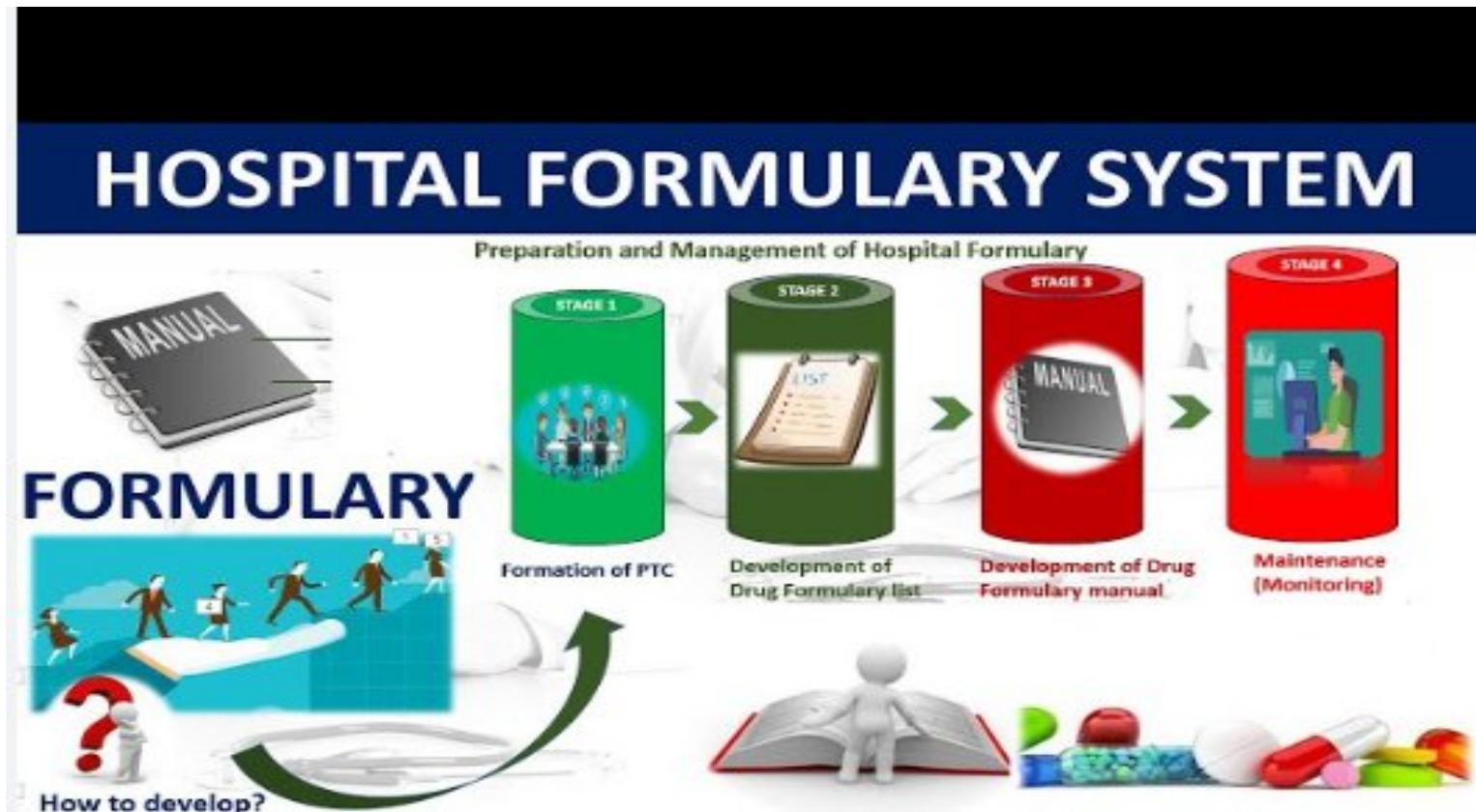
Formulary: Is immediately available.

Non-Formulary: These require a lengthy pre-authorization process.

Not Available: Now it's critical to request the treating physician review the BOP "similar equivalents".

- If none is appropriate – home confinement, or does The BOP make these medications available?

DEVELOPING STAGES FOR HOSPITAL FORMULARY



Hospital Formulary Example

Patient with High Blood Pressure



WHAT ARE THE CHARACTERISTICS WERE INCLUDE ON HOSPITAL FORMULARY

Provider Characteristic	% Providers	
	Without Knowledge	With Knowledge
History^a		
Established patient	63.82	36.18
New patient	70.17	29.83
Physician specialty		
General and family practice PCP ^b	59.24	40.76
Internal medicine PCP	73.43	26.57
Specialist	63.69	36.31
Office type		
Freestanding private, solo, or group office	63.08	36.92
Other office types	73.70	26.30
Ownership status		
Owned by physician or physician group	64.70	35.30
Not owned by physician or physician group	62.71	37.29
Census region		
Northeast	62.81	37.19
Midwest	64.64	35.36
South	60.36	39.64
West	71.79	28.21
MSA status		
MSA	64.64	35.36
Non-MSA	63.77	36.23

^aPercentages of providers who knew the formulary status of prescribed drugs differed significantly by patient history. No significant difference in any other categories.

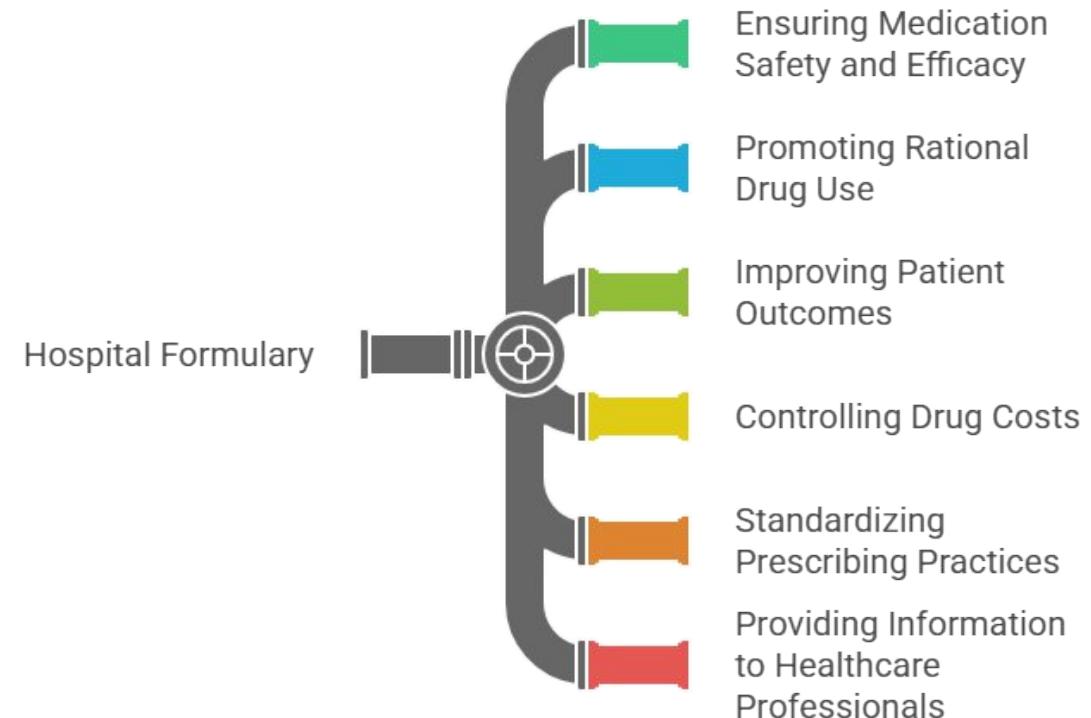
^bPCP = primary care provider.

Source: Am J Health-Syst Pharm © 2004 American Society of Health-System Pharmacists

DEVELOPING STAGES OF HOSPITAL FORMULARY



Unveiling the Multifaceted Role of Hospital Formulary



Made with  Napkin

Developing a Hospital Formulary



Made with  Napkin

TYPES

Types of Hospital Formularies

What is an open formulary?

It allows prescribers to prescribe any medication, regardless of whether it's on the formulary.

What is a closed formulary?

It restricts prescribers to prescribing only medications on the formulary.

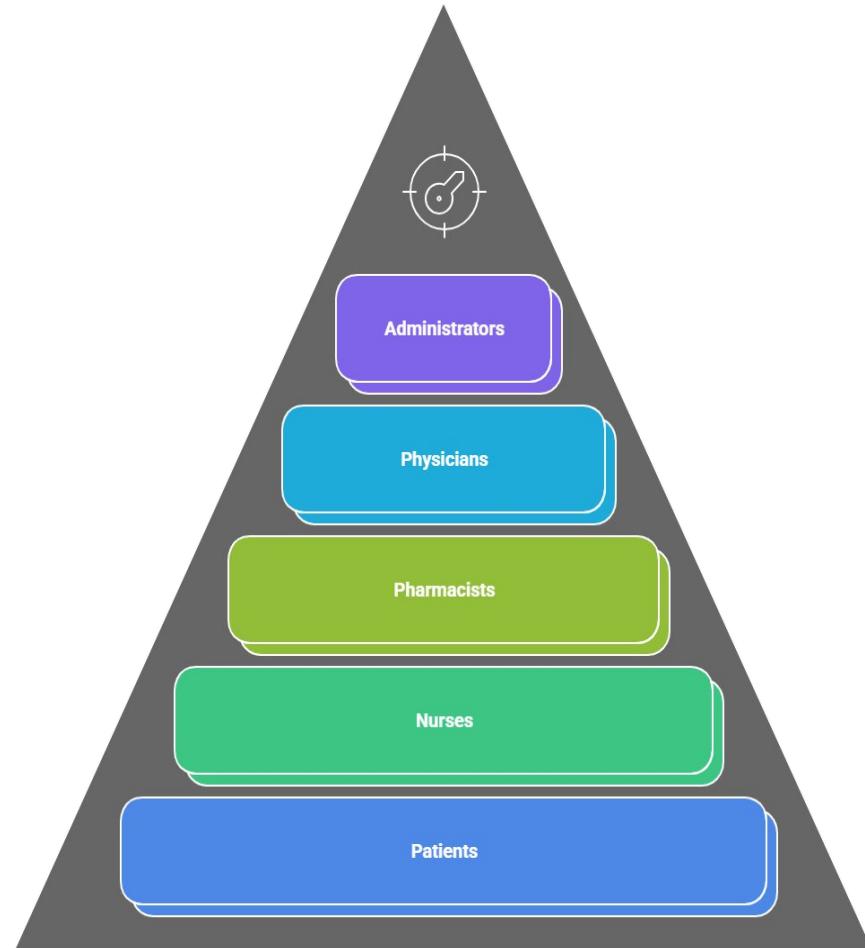
What is a selective formulary?

It allows prescribing medications on the formulary but may require prior authorization or other restrictions for certain medications.



Made with  Napkin

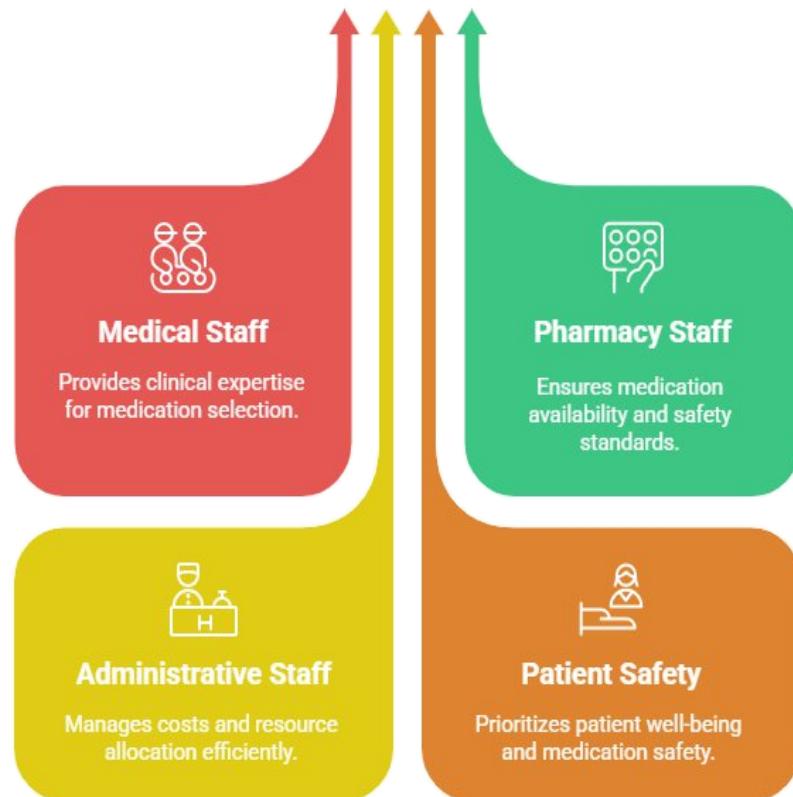
Hospital Formulary Stakeholders



Made with Napkin

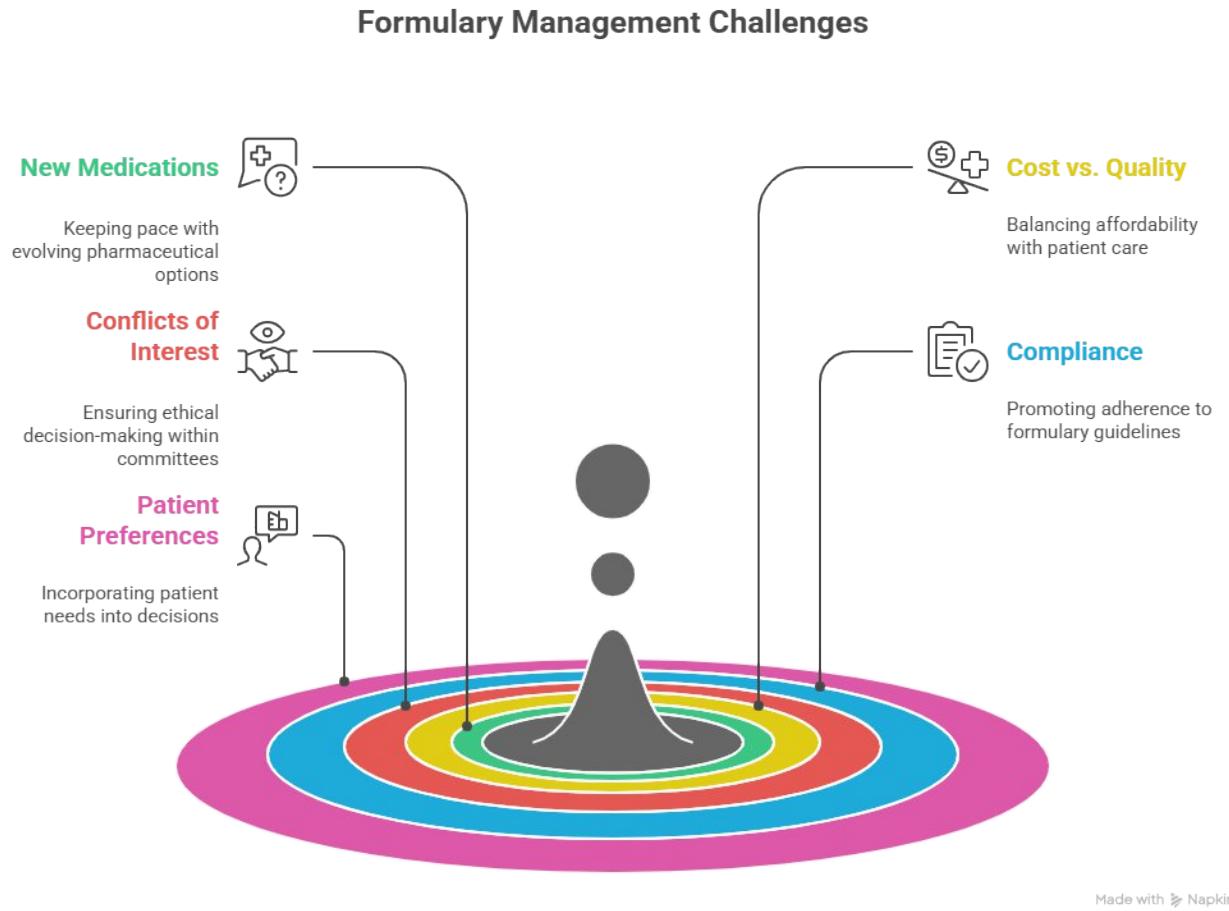
ROLE OF HEALTHCARE IN HOSPITAL FORMULARY

The Formulary's Role in Healthcare



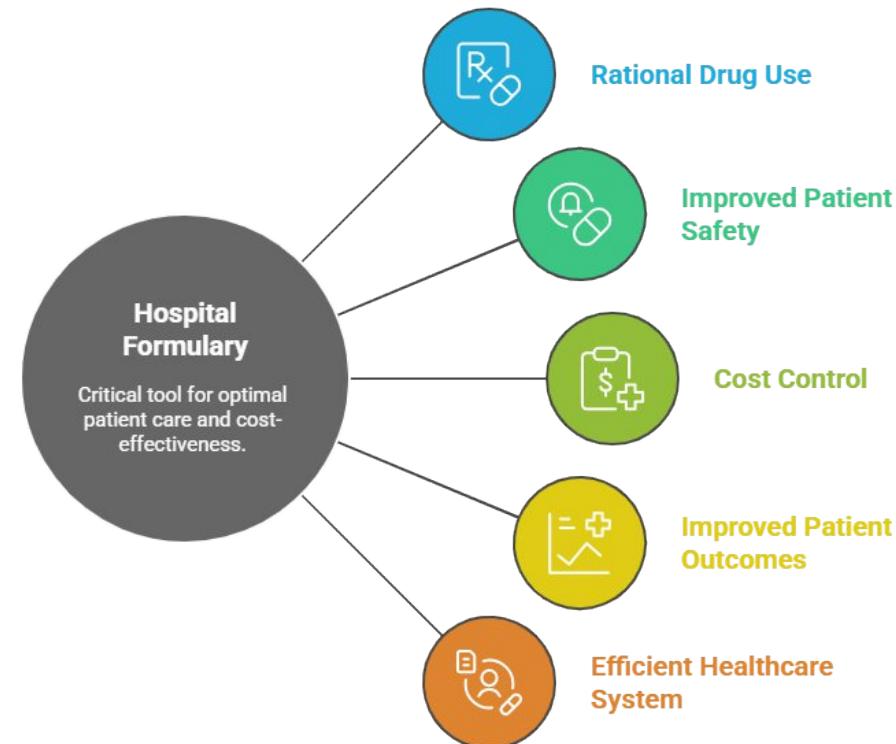
Made with  Napkin

WHAT ARE THE FORMULARY MANAGEMENT CHALLENGES?



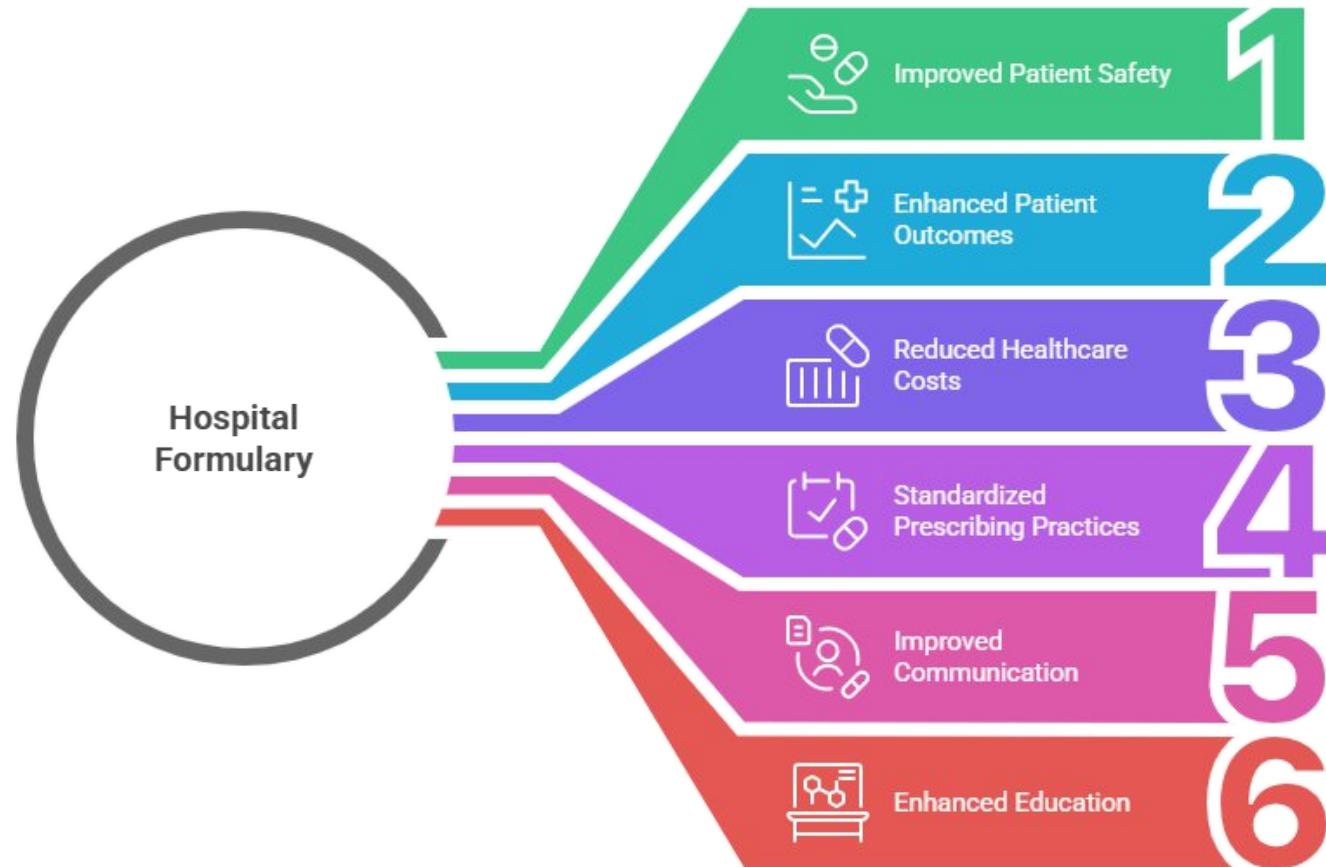
WHAT ARE THE IMPACT OF HOSPITAL FORMULARY?

Unveiling the Multifaceted Impact of Hospital Formulary



Made with  Napkin

Unveiling the Multifaceted Benefits of a Hospital Formulary



Made with  Napkin

Prioritizing Ethical Considerations in Pharmacy



Made with  Napkin

Unveiling the Hospital Formulary

Maintenance
Requires ongoing monitoring and evaluation processes.



Purpose
Ensures safe, effective, cost-conscious medication use.



Significance
Critical for modern hospital pharmacy practice.

Development
Involves P&T Committee, medication selection criteria.

Development
Involves P&T Committee, medication selection criteria.

Made with  Napkin

REFERENCES

1. World Health Organization (WHO) WHO Expert Committee on the Selection and Use of Essential Medicines— Provides guidance on formulary development and rational medicine use.
2. American Society of Health-System Pharmacists (ASHP) ASHP Guidelines on the Pharmacy and Therapeutics (P&T) Committee and the Formulary System – One of the most authoritative references for hospital formularies.
3. Goodman & Gilman's The Pharmacological Basis of Therapeutics – Used for drug selection, safety, efficacy, and therapeutic comparison.
4. British National Formulary (BNF) – A practical reference for drug use, dosing, contraindications, and interactions.
5. Martindale: The Complete Drug Reference – Internationally recognized reference for drug information and formulations.



Thank You