

HOSPITAL PHARMACY

Chapter 1 Hospital Pharmacy

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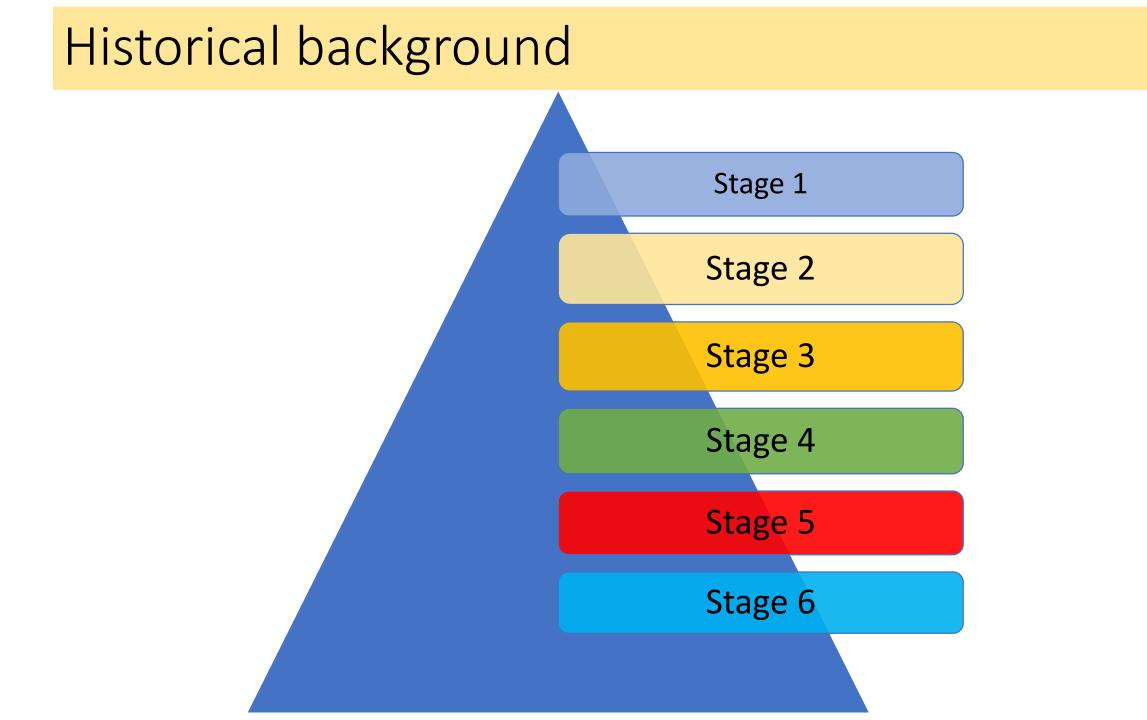
Hospital Pharmacy

- Hospital pharmacies are pharmacies usually found within the premises of a hospital.
- Hospital pharmacies usually stock a larger range of medications. Hospital pharmacies typically provide medications for the hospitalized patients only.
- Some hospitals do have retail pharmacies as well.

Historical background

- 1752 pennsylania hospital
- Professional recogonition
- 1940 ASHP
- AJHP

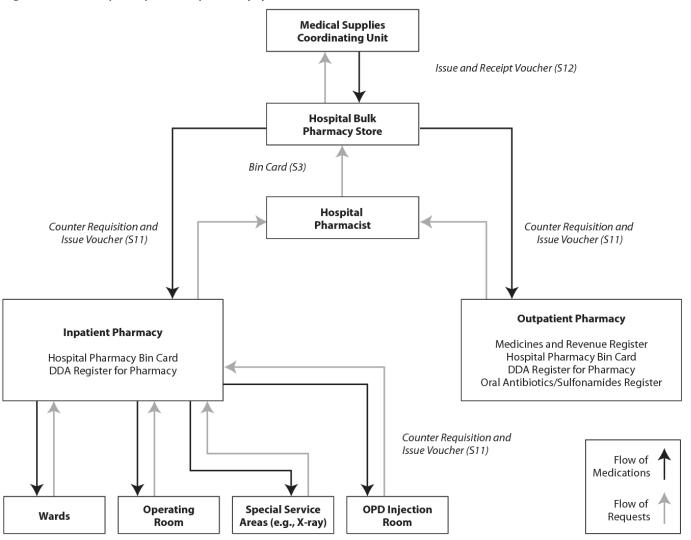
Pakistan 1999 Pharmaceutical project Pharmacist Hierarchy P & TC



Hospital Pharmacy

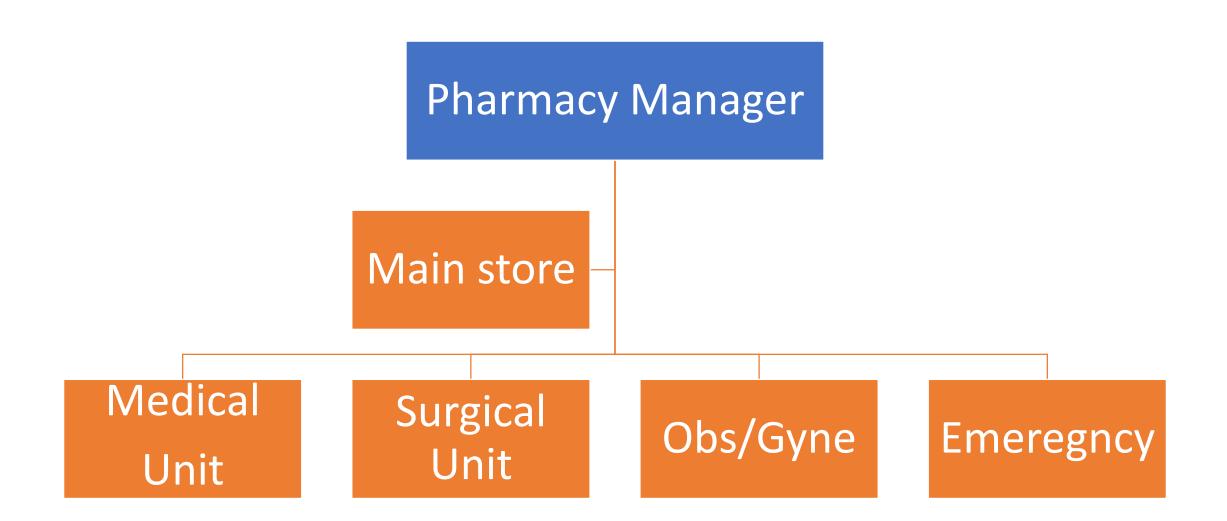
- Health care service.
- Art, practice, and profession.
- Choosing, preparing, storing, compounding, and dispensing medicines and medical devices.
- Advising healthcare professionals and patients.
- Safe, effective and efficient use.

Figure 45-1 Multiple-department pharmacy system



Source: Ministry of Health, Government of Kenya, 1994. DDA = Dangerous Drugs Act.

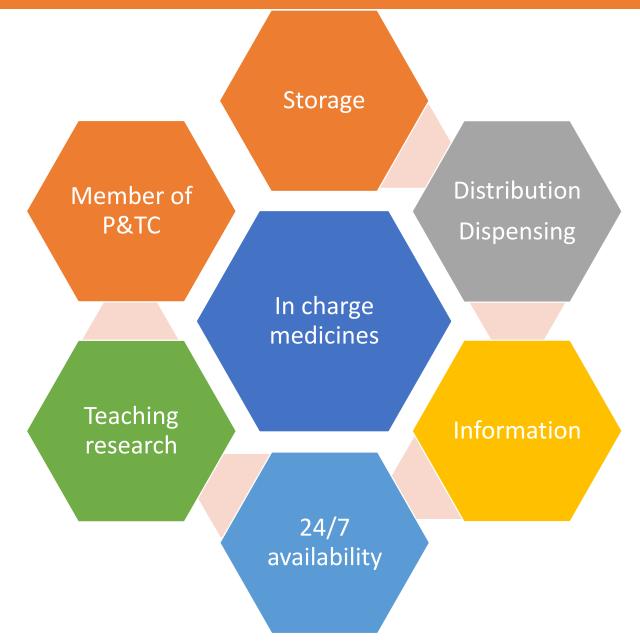
Hospital Pharmacist



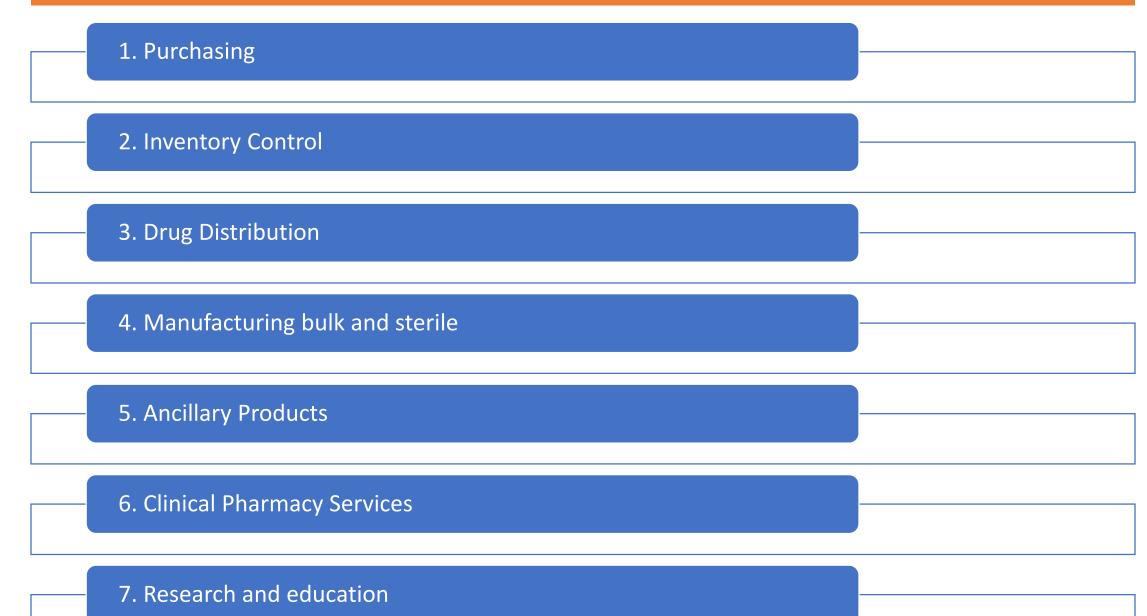
Functions of Hospital Pharmacist

- Distribution of medicaments in the wards
- Dispensing of medicaments to out-patients
- Drug information source in hospitals
- Centre for drug utilization studies
- Implement recommendations of the P &TC
- Patient counseling
- Maintaining liaison between medical, nursing and the patient.
- Forecast of demand
- Vaccines and sera's

Functions of Hospital Pharmacist

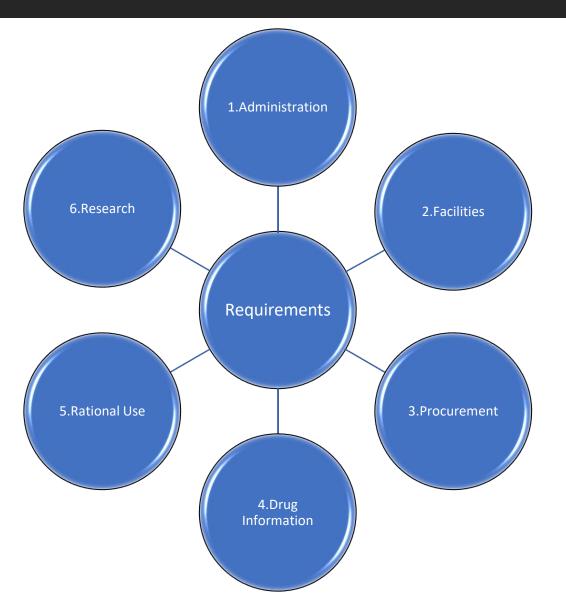


Functions of Hospital Pharmacy



Minimum Standards for Hospital Pharmacy

Minimum Standards for Hospital Pharmacy



1. Administration

- Director of pharmacy services
- Full authority
- Goals
- Planning scheduling and achieving previous goals.
- Supervision and implementation for previous plans.
- Assessment and correction

2. Physical Plant

Location

- Space
- Equipment
- Drug information sources

3. Procurement

- Purchase of drugs and other items like health accessories.
- Pharmacist, purchase department, agent.
- Purchase rules and regulations

Drug information

• Patients

Prescribers

Students

Implementing Rational drug therapy

- Prescription review for appropriateness
- Adverse drug reporting
- Development of Hospital formulary
- Safe effective use of medicines

Research

1. Pharmaceutical

2.Operational

3. Clinical research.

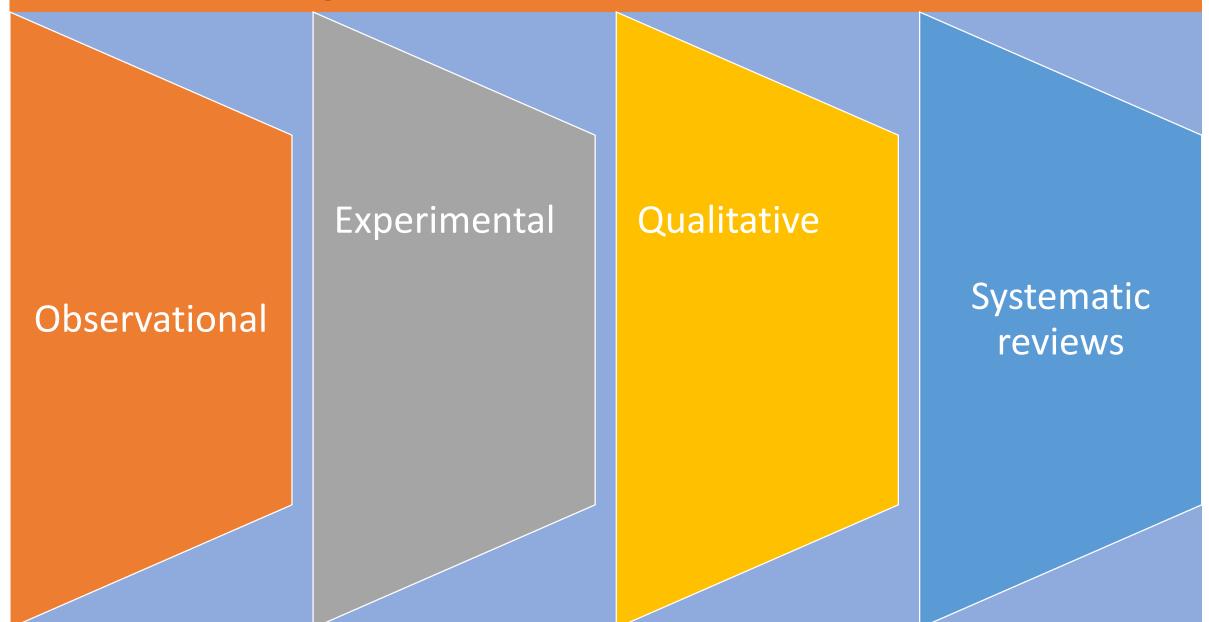
4. Problem Research

Research in Hospital Pharmacy

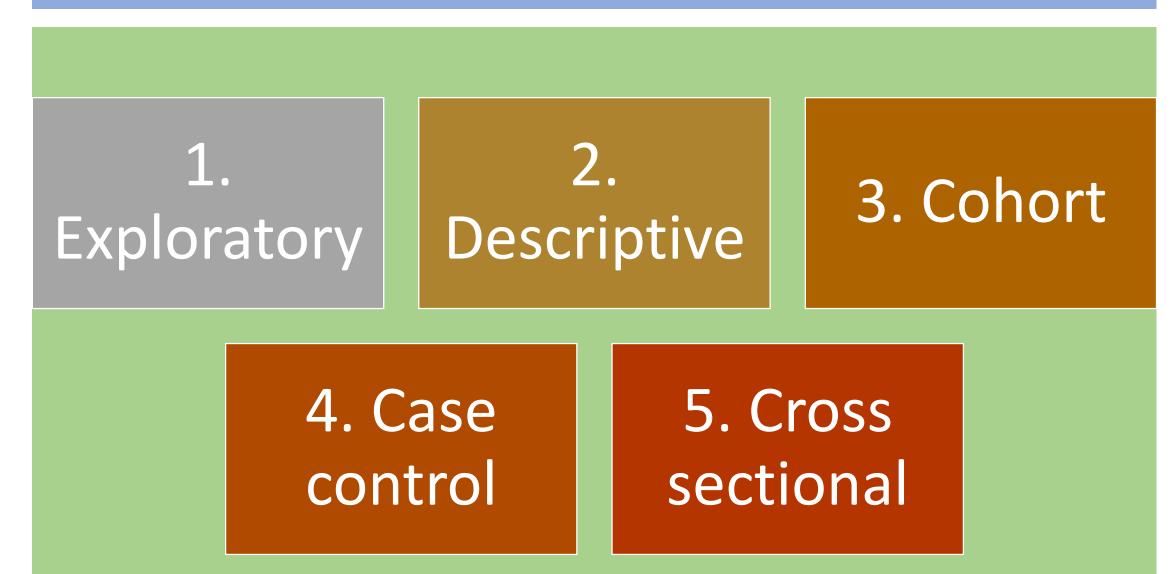
Research Characteristics

- **Research** is creative and systematic work undertaken to increase the stock of knowledge, including knowledge of humans, culture and society, and the use of this stock of knowledge to devise new applications.
- Neutrality
- Reliability
- Validity
- Generalization

Research Design



Observational studies



Experimental design

- Randomized control trials.
- In vivo
- Invitro

Other Design

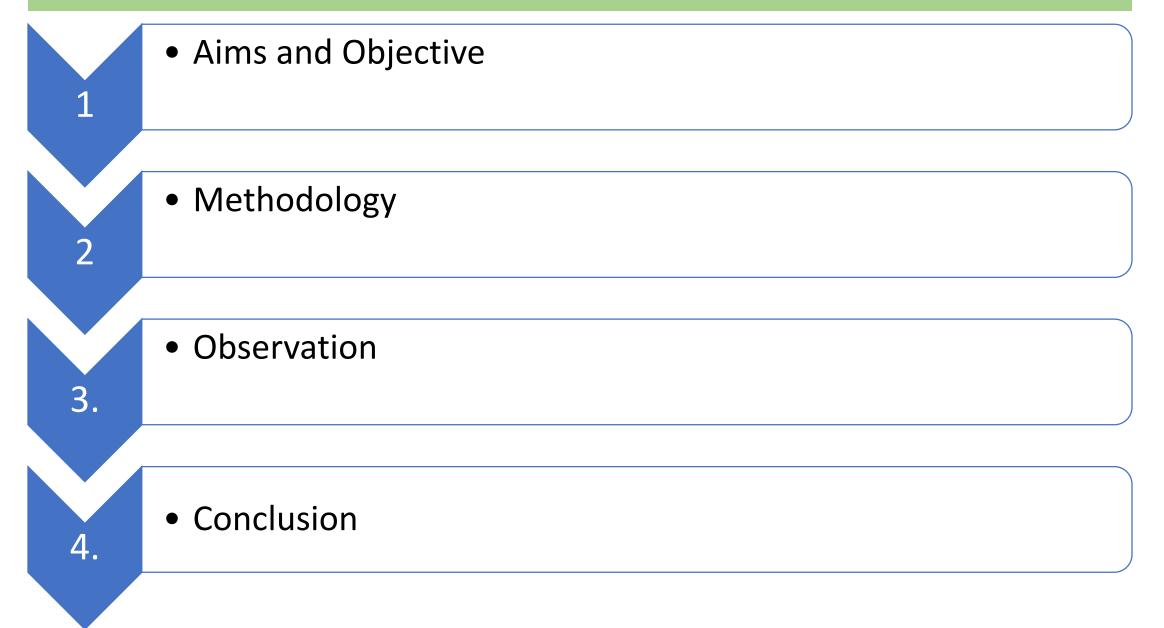
• Qualitative research

• Systematic reviews

Research in Hospital Pharmacy



Research in Hospital Pharmacy



Recap Chap 1

Chapter 1END