

Assessment of Adherence to Sepsis Care Pathway

Presented By- **Shivam Rawat**
(2079,MBA HM 29)
Faculty Mentor - **Dr. Neetu Purohit**
Professor, IIHMR University
Organisation Mentor- **Dr. Ruchi Khanna**
Group Quality Head, EHCC ,Jaipur

Hospital Description

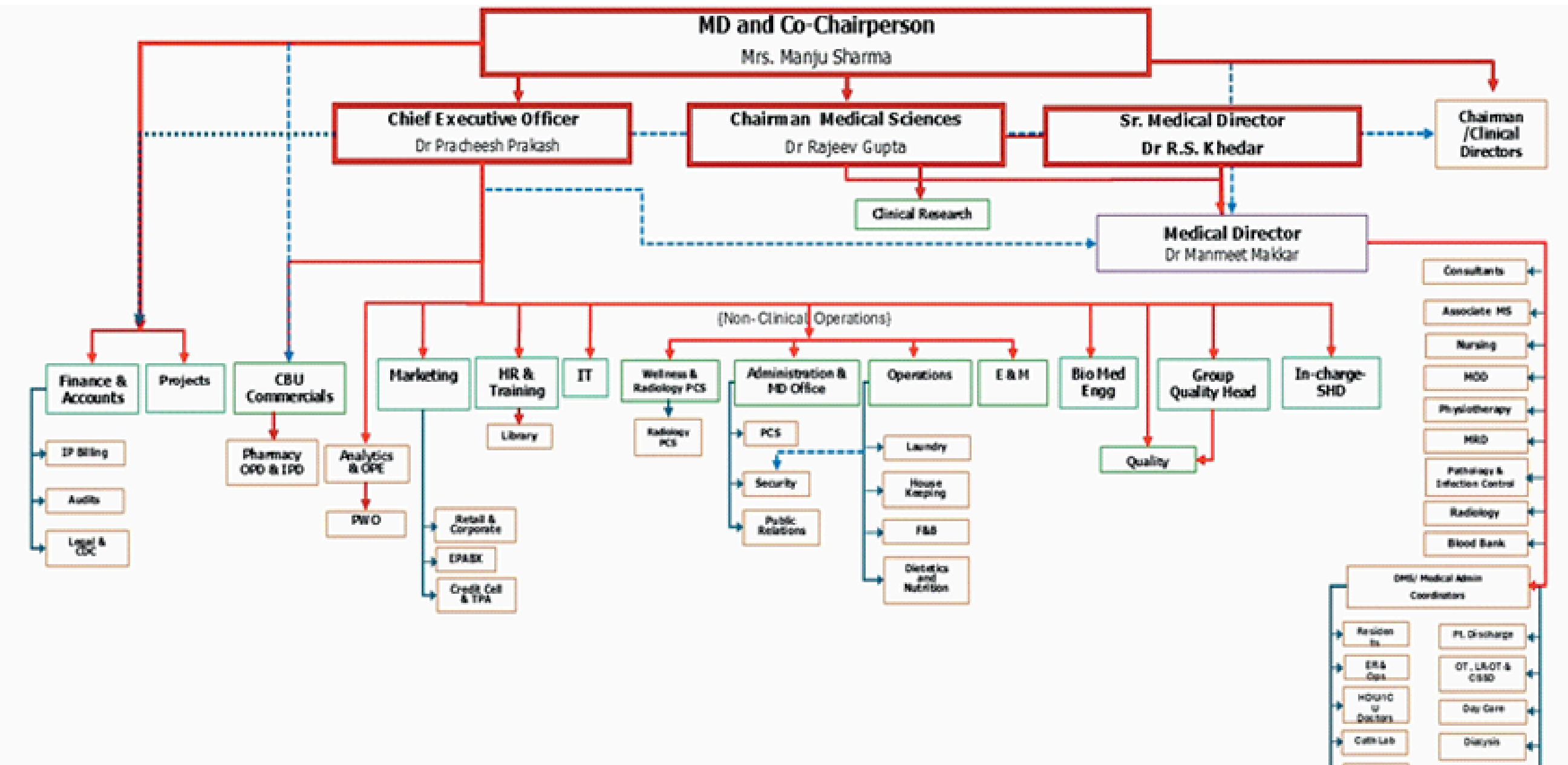
Eternal Hospital (A unit of Eternal Heart Care Centre and Research Institute) is a pa-of-the-art tertiary care hospital in Jaipur city.

With a capacity of **250 bedded** hospital has state-of-the-art technology focusing on the specialities like **Cardiology, Cardiac Surgery, Neurology, Neuro Surgery, Orthopaedic & Joint Replacement, Spine Surgery, Nephrology, Paediatrics, Gynaecology, Critical Care, Urology, Pulmonology, Gastroenterology, Diabetes and Endocrinology** and many more.

Vision: A center of excellence in area of medicine with highest international standard at affordable cost for the community around the globe.

Mission: To redefine healthcare by improving outcomes & experience of patient to cutting edge research & personalised clinical care including innovative, preventive, diagnostic, therapeutic, and rehabilitation services.

Organogram



About Sepsis

Sepsis is a time-sensitive emergency requiring prompt intervention.

Sepsis may progress to **septic shock**. This is a dramatic drop in blood pressure that can damage the lungs, kidneys, liver and other organs. When the damage is severe, it can lead to death.

A **Sepsis Bundle Pathway** is a standardized set of evidence-based practices to diagnose and manage sepsis, including : **Early recognition, Timely antibiotics and fluids, Monitoring vital signs, Escalation of care** . It aims to deliver prompt and effective treatment, improving patient outcomes.

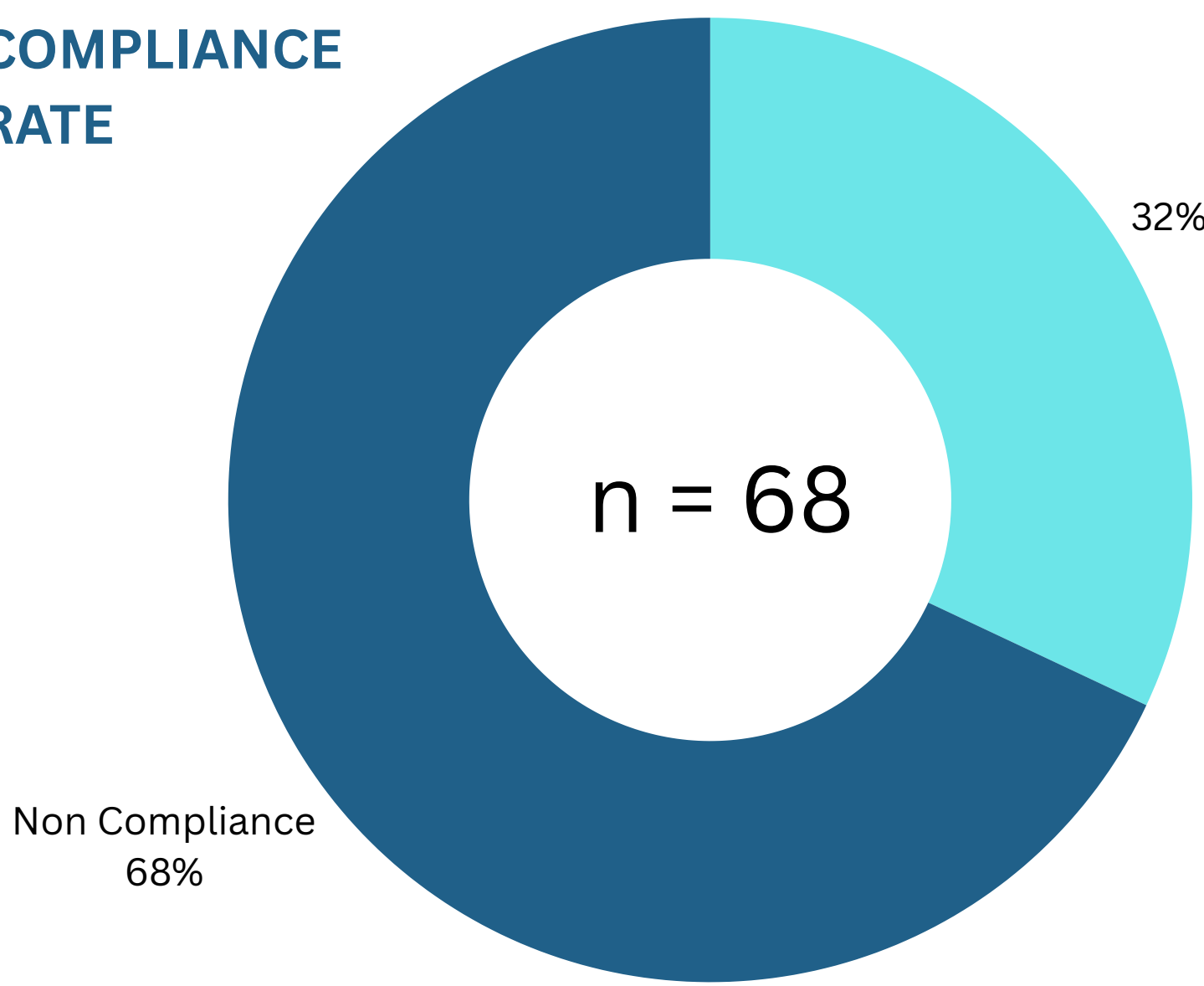
Study Objective

- To assess documentation and compliance of the Sepsis Bundle Pathway.
- To assess real-time adherence from Emergency to ICU.

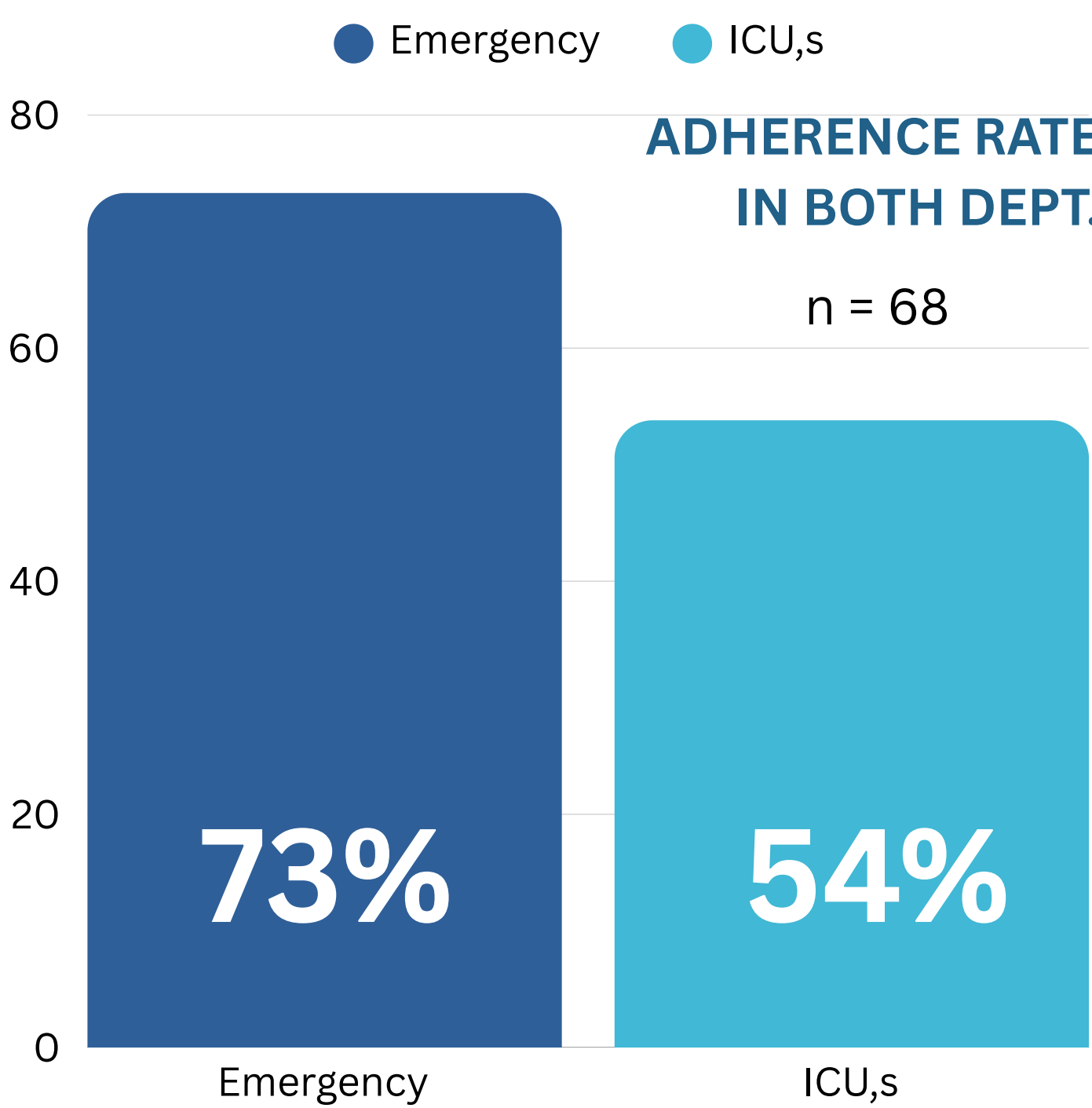
Methodology

- A total of 68 patients admitted to the Emergency and then in ICU wards were studied for over two months (12 May-10 July) to assess compliance with the Sepsis Bundle Pathway.

COMPLIANCE RATE



When analysed out of 68 cases diagnosed with sepsis, only 22 have correct documentation. Hence **67.5%** cases show non compliance.



The Emergency Department shows a higher adherence rate compared to the ICU's.

SWOT Analysis

Strengths

- Structured Data Collection
- Quantified Insights
- Time Efficiency
- Improved Adherence over time

Weakness

- Poor Documentation practice
- No defined trigger points
- No Assigned Accountability

Opportunities

- Training & Capacity Building
- Streamlined Protocols
- Trigger Based Systems
- Regular Audits with feedback

Threats

- High workload in ER
- Staff turnover & staff changes
- Resistance to change
- Delayed Diagnosis

Key Learnings

- Overview of all the departments of hospital & their working.
- Learned to conduct quality audits across various departments.
- Operational workflow of clinical and non-clinical departments. and their interdependencies.
- Improved self communication skills confidence and through daily interactions.

Challenges Faced

- Hesitation of staff in sharing relevant information.
- Balancing multiple tasks & duties.
- Transitioning from academic learning to unpredictable healthcare enviorment.

Suggestions

- Patient/attendant entry and exit should be from different gates to manage the flow.
- Complete counselling of patients/attendants at the time of discharge.
- Appointing a health counsellor for PHC

Theoretical Learning v/s Practical Exposure

Through my summer project, I was able to apply theoretical knowledge to actual hospital scenarios, developing practical problem-solving skills that will serve me well in my future career as a healthcare professional.