

Decision Support Unit

Introduction

The DSU provides leadership and coordination in data collection and analysis, institutional research and assessment in support of hospital planning, continuous improvement and the achievement of hospital mission, vision, and values.

DSU transforms data collected into meaningful information so that executive management can use to make important decisions and align hospital strategies as needed. This is addressed effectively by the Decision Support Unit (DSU) within the Directorate of Quality & Safety. It enhances the decision making process by improving the quality of data as well as by providing efficient and effective tools to executive management.

The DSU will be in charge of developing and maintaining a computer based Health Information system for KFHU for preparing statistical reports and information and training for HIMT, Medical Secretary, and prepare Statistics and Medical Records students and interns.

Scope

- Performance reporting and analysis
- Data / information extraction and analysis
- Benchmarking
- Provide comprehensive annual report covering all the departments of KFHU
- Prepare statistical analysis for all clinical and non-clinical data
- Provide Statistical information requested by:
 - Hospital administration and University of Dammam
 - Researchers
 - Students
 - Committees

Role of Decision Support Unit

The DSU does collect, and analyzes data and publishes health statistics such as:

Hospital Statistics

- Number of admission and discharges
- Average length of stay
- Bed occupancy rate
- Number of OPD visits
- Number of deliveries, fetal deaths, mortality, newborns
- Total number of patient days

Medical Statistics

- Top five diagnoses
- Top five surgical procedures
- Factors contributing to higher lengths of stay
- Mortality factors
- Volume of each diagnosis

Objectives

- Improved management decision making
- Improved productivity
- Meaningful, timely and accurate data
- Concise and actionable management reports
- Elimination of redundant and inaccurate data collection and dissemination
- Increased teamwork

Responsibilities

- Design and develop data reporting systems.
- Support hospital staff on data gathering and analyzing activities.
- Effectively collection and disseminate of key hospital data.
- Accurate and meaningful analysis of data.
- Provide processed data to users as per their needs.
- Perform data analysis using various statistical procedures.
- Design and load a central data repository (Data Warehouse) to provide appropriate information that helps in strategic planning and decision making.
- Integration of operational, quality and clinical improvement efforts.
- Manage data integrity and accuracy of the system.
- Construct data to generate hospital key performance indicators (KPIs) over time.
- Utilize benchmarking data.
- Integrate strategic planning and day-to-day operations.