



Strategic Priority: **SP3- Organizational Sustainability**

Project Name

Decrease “ High Dose Rate” (HDR) patient flow and cycle time

Site

Riyadh

Department

Radiation Therapy

Project Status

Completed

Project Start Date

04-01-2018

Project End Date

11-30-2018

Problem: Why the project was needed?

DSU bed will be reserved for HDR patient from 05:30 (Time of admission) until 18:00 “Discharge time”, while the patient is out of DSU between OR, PACU & Radiation Therapy from 07:30 by the time patient can be discharged from radiation therapy and can save up to 10 hours for other DSU patients.

Aims: What will the project achieve?

Decrease DSU bed occupancy for HDR patient by 10 hours from baseline by end of November 2018.

Benefits/Impact: What is the improvement outcome?

(check all that apply)

- Contained or reduced costs
- Improved productivity
- Improved work process
- Improved cycle time
- Increased customer satisfaction
- Other

Quality Domain: Which of the domains of healthcare quality does this project support?

(Select only one)

Patient Centred

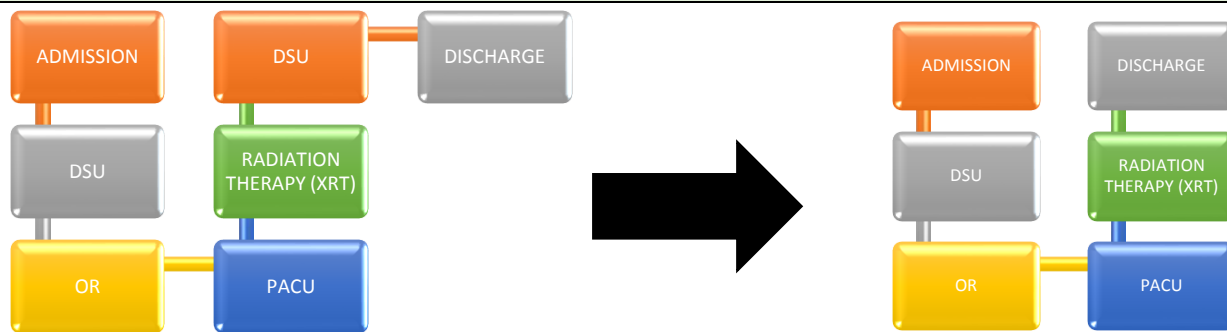
Measures: Performance metrics to be evaluated	Targets: Expected outcomes
DSU bed occupancy for HDR	10 Hours from baseline

Interventions: Overview of key steps/work completed

- Create a meeting with DSU staff to understand the flow.
- Create a flow chart of the process.
- Requested a memo to discharge from radiation therapy.
- Data collection on patient’s length of stay.
- A memo sent to finance department to get the cost of bed occupancy per patient.
- Collaborated with head of DSU to get the cost of bed occupancy.

Results: Insert relevant graphs and charts to illustrate improvement pre and post project
(Insert relevant graphs, data, charts, etc.)

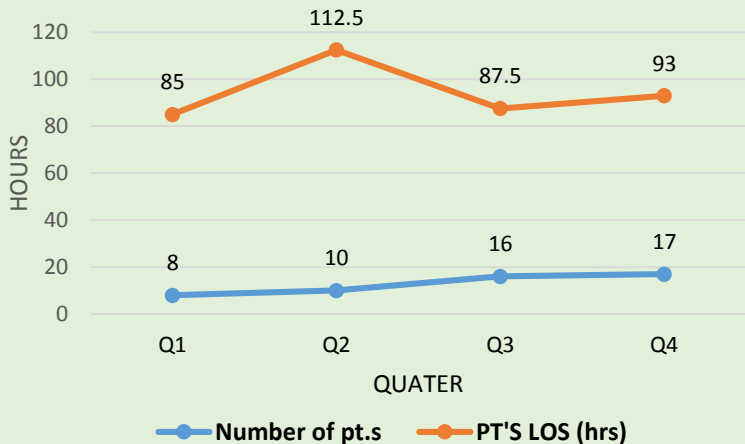
PATIENT CARE WORK FLOW BEFORE & AFTER REMOVING NON-VALUE STEP



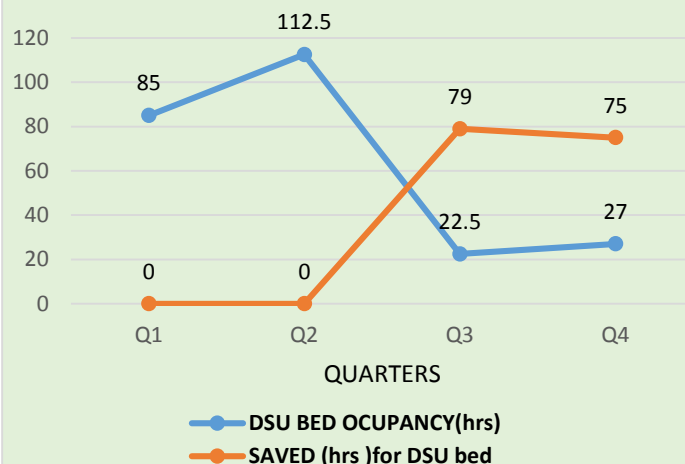
Quarter	HDR patients	Patient went back to DSU (i.e. bed reserved)	COST (estimated DSU bed occupancy = 820 SR)	Cost saved
Q1	8	8	6560	0
Q2	10	10	8200	0
Q3	16	0	13120	13120
Q4	17	0	13940	13940

- ****Saved the organization **27060 Riyals!**

Total Number of Patients & LOS



DSU Bed Occupancy & Saved Hours



- DSU bed occupancy and saved hours in Q3 and Q4 is total of **154 hours**

Project Lead

Name

(Person Accountable For Project)

Eman Megahd, Head Nurse Radiation Therapy, Oncology /Liver Nursing

Team Members

Names

(persons involved in project)

Dr.Noha Jastaniyah, Consultant, Radiation Oncology, Meqdadi, Mohammad Z A, Acting PD, Perioperative Nursing

Fares, Fadi, Head Nurse,DSU, Perioperative Nursing

Rexi George, SN1, Radiation Therapy

Suzan Elsayed, SN1, Radiation Therapy

Mangay Arumugam, SN1, Radiation Therapy