



INTRODUCTION:

Cohorting involves placing patients and their physicians at specific geographic locations in the facility. Various articles have demonstrated that the putting the right patient in the right bed under the right caregiver is a contributor to the efficient delivery of patient care. Cohorting also includes the support staff of caregivers, including nursing staff, housekeeping etc.

AIM:

To increase the quality of patient care delivery by effective and efficient utilization of the available resources and also anticipate the needs of the patient for meticulous response by the stakeholders.

OBJECTIVE:

1. Cohorting of hospital including:
 - Bed distribution
 - Floor distribution
2. Efficient Streamlining of JMS (Junior Medical Staff)

METHODOLOGY:

Study type: Non-interventional study
Study/research design: Secondary data was collected for the study. The data used was of last 4 months from the day of report making. Data includes Jan2017, Feb2017, Mar2017, and Apr 2017.
Study area/setting: This was an internal survey, conducted within the premises of Indraprastha Apollo Hospitals, New Delhi covering all the JMS

COHORTING AND DEPLOYMENT PLAN OF INDRAPRASTHA APOLLO HOSPITALS, DELHI

Guided by: Dr. C Ramesh

SEGREGATION OF DEPARTMENTS:

1) MEDICAL:

Internal medicine
Endocrinology
Respiratory medicine
Gastroenterology
Geriatric Medicine
Dermatology
Rheumatology

2) SURGICAL:

General surgery (including gastro surgery)
Plastic surgery
Ophthalmology
Urology
ENT
Vascular Surgery
Surgical Gastroenterology

3) PEDIATRICS:

General pediatric
Paediatric surgery and Urology
Paediatric cardiology
Paediatric CTVS
Paediatric Gastro
Paediatric Orthopedics
Paediatric Neurology

4) OBS. & GYNAE:

Obs. & Gynae
Neonatology
Fetal medicine

5) ONCOLOGY:

Medical oncology
Surgical oncology
Radiotherapy
BMT

6) CARDIAC SCIENCES:

Cardiology
CTVS

7) NEUROSCIENCES:

Neurology
Neurosurgery

8) TRANSPLANT:

Renal transplant

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions (Jan-Apr17)/Month	Average patients/ day
1	Medical	Internal Medicine	164	25
		Endocrinology	18	3
		Respiratory Medicine	92	12
		Gastroenterology	115	13
		Geriatric Medicine	1	0
		Dermatology	1	1
		Rheumatology	23	2
2	Surgical	General Surgery(gastro. Sur)	185	28
		Plastic Surgery	40	5
		Ophthalmology	35	2
		Urology	186	8
		ENT	93	4
		TOTAL	953	103

SPECIALITY WISE DISTRIBUTION OF PATIENTS			
Sl No.	Departments	Specialities	Average patients/day
3	Paediatrics	Paediatric surgery and urology	12
		Peadiatric oncology	6
		Paediatric Orthopedics	2
		Paediatric Cardiology	2
		Paediatric Neurology	1
		Paediatric CTVS	2
		Paediatric Gastro	1
		General Paediatric	4
		TOTAL	30

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions(Jan-Apr17)/Month	Average patients/ day
4	Obs & Gynae	Obs & Gynae	120	18
	Neonatology Fetal medicine	Neonatology	69	6
				0
		TOTAL	189	24

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions(Jan-Apr17)/Month	Average patients/ day
5	Oncology	Medical Oncology	545	17
		Surgical Oncology	325	19
		Radiotherapy	93	4
		BMT	64	8
		TOTAL	389	48

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions(Jan-Apr17)/Month	Average patients/ day
6	Cardiac Sciences	Cardiology	324	20
		CTVS	56	3
7	Neurosciences	Neurology	94	18
		Neurosurgery	114	13
		TOTAL	588	54

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions(Jan-Apr17)/Month	Average patients/ day
8	Transplant	Renal Transplant and liver transplant	138	23
		Nephrology*	226	27
		TOTAL	410	53

SPECIALITY WISE DISTRIBUTION OF PATIENTS				
Sl No.	Departments	Specialities	Average Admissions(Jan-Apr17)/Month	Average patients/ day
9	Orthopedics	TOTAL	151	29



DEPARTMENTS	FLOORS	WARDS
Medical and surgical	2FT1 + 2FT2 extn.+ 5FT1 + 6FT2 wing A & B	GW+NEW GW 1&2+SINGLE+ SPVT(wing A & B) 72+ 33+ 24 +24= 153
Paediatrics	5FT2	SINGLE*+SPVT+GW 14 + 6 + 8= 28
Obs. & Gynae	3FT2	SINGLE*+SPVT+GW 5+6+4=15
Oncology	3FT1+3FT3	GW+ SINGLE* 41+41=82
Neurosciences and gastroenterology +	4FT1	SINGLE*+SPVT+GW 11+22+8=41
Transplant and Nephrology	4FT2	SINGLE*+SPVT+GW 10+16+8=28
Orthopedics and Cardiac sciences	6FT2 (wing C&D)+4FT3+ 2FT2	SPVT wing C&D+ GW of 6FT2 +SINGLE*+GW 24+8+28+20=80

F- Floor T- Tower (2FT1- 2nd Floor Tower 1)

GW- General ward

SPVT- Semi-private

SINGLE* - SINGLE + DELUXE + SUITES

6FT1- MIXED CASES (8 suites)

RECOMMENDATION

Since there are no semi-private rooms for oncology, two single rooms can be converted into semi-private rooms where we can accommodate 4 beds. Patients referred by government and free wards are not included.

The proposed cohorting plan has been made keeping the constraints in mind like infrastructure etc. *total beds covered in the following table is 427, excluding 6FT1 which contains 8 suites bringing the total to 435, which is the total no. of beds in the wards.

DEPLOYEMENT

As per the data provided and observations made, the conclusion was drawn that the deployment can be done by margin of 1% keeping all the constraints in mind like infrastructure etc.