# The Development of the First Medical Ambulatory Centre (MAC)

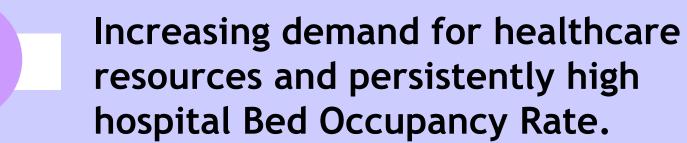
Singapore Healthcare Management 2016

A/Prof Alan Ng Wei Keong, Ms Yeh Huei Chen, Sr Rosaline Yeo Lay Peng, Br Laley Bin Senawi, Sr Christina Tan Hwei Hian, Sr Chia Yeow Peng, Ms Jennifer Abad Trinidad, SN Ng Chee Wee, PSA June Lim Yan Ling, Ms Suriani Poh, Ms Chong Bao Yi, Ms Pang Jia Xin



## **1. BACKGROUND**

# **2. MISSION**





5

6

Patients come to MAC for their medical procedures or treatments.

2

Concept piloted in smaller scale Medical Day Centre (MDC) demonstrated feasibility to perform specific procedures in an ambulatory setting.

3

MAC was established in January 2015 as a facility with 33 beds and 4 recliners.

Thereafter, patients are discharged within 24 hours instead of being managed as inpatients.

Patient care is therefore sited to the appropriate setting for ambulatory care.



Fast turnaround of beds

#### **FLEXIBILITY**

-Redeployment of beds during bed crisis situation -Scale up facility during mass casualty

**SCALABILITY** 

 $\mathbf{r}$ 

Ability to expand list of protocols

# **3. IMPROVEMENT PROCESSES**

#### **MORE EFFICIENT ADMISSION PROCESS**



Patient goes to Admission Office first for registration before going to MDC for the procedure/treatment.

Registration is done at

#### **DECENTRALISATION OF BED BOOKING AT CLINICS**

Clinics have no visibility to bed booking, staff have to call MDC for BEFORE beds, then inform patients of procedure/treatment date.

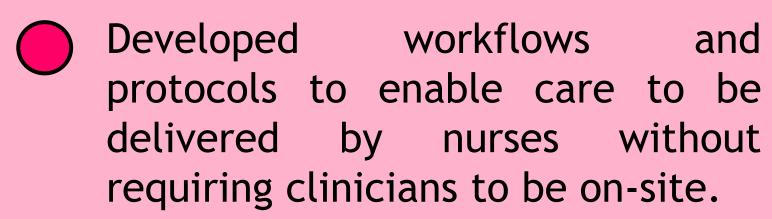
Clinics book directly

#### **HARMONISATION OF BED BOOKING SYSTEM**

3 different booking systems were used (SleepLab - EAS, BEFORE Inpatient - EDweb, MDC -OTS).

> Single bed booking system for all MAC

#### **Nurse Led Care Protocols**



Nurses can discharge patients after following a procedure, the standardised approach.

Examples of protocols carried out by nurse led discharges include, Blood Transfusions, Bone Marrow Aspiration and Chemotherapy.

MAC before the procedure/treatment. **AFTER** This creates a one-stop centre for patients.

through a dedicated AFTER booking system and patients get their appointment date instantly.

- services • Staff can have **AFTER** 
  - visibility of all services in MAC
  - Staff learn 1 system instead of 3 systems

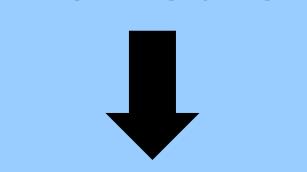
**4. OUTCOMES** 

#### Inpatient Beds Freed For Acute Admissions

Total no. of MAC cases : 3,537 Total no. of bed days avoided : 7,074<sup>1</sup> **Cost Avoidance to the system:** \$4,194,000<sup>2</sup>

Each case seen is equivalent to at least 2 inpatient bed-days avoided.

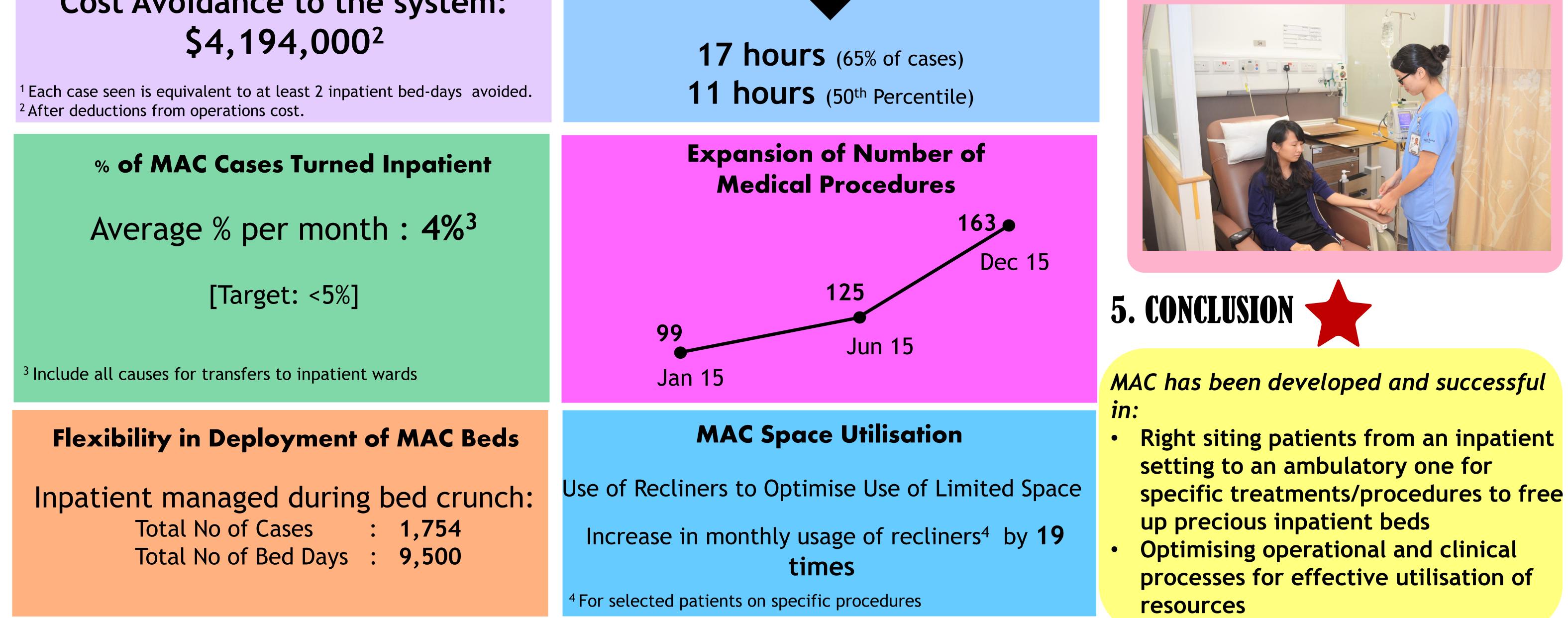
### **Reduction of Length of Stay from** 48 hours



**17 hours** (65% of cases)

**Medical Procedures** 





\*Data source of all indicators: AIBMU Jan 2015 to Dec 2015