# Optimal Serious Sepsis Management Through Teamwork

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### Introduction

Sepsis is a complex and challenging disease

#### Reason:

- Aging Population
- † Drug-resistant bacteria
- ↓ immune system from chronic illnesses
- Mortality rate ↑ 50%
- ↑ Sepsis admission in M&G department

# Methodology

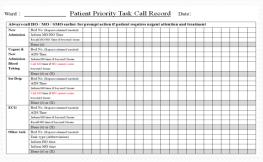
- Station phlebotomist for pre-admission blood-taking in A&E
- 24 hours pharmacy supply
- Communication cards
- Call record to capture mutual communication in ward
- "Stat dose" antibiotic prescription
- 1st blood taking & IV access setting by intern
- Neutropenic fever case: direct admission to haematology ward
- Regular audit and report

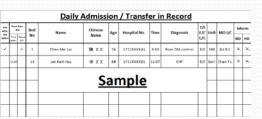






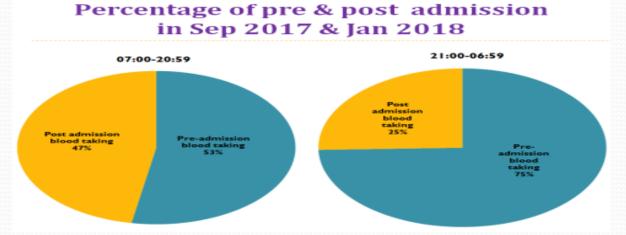




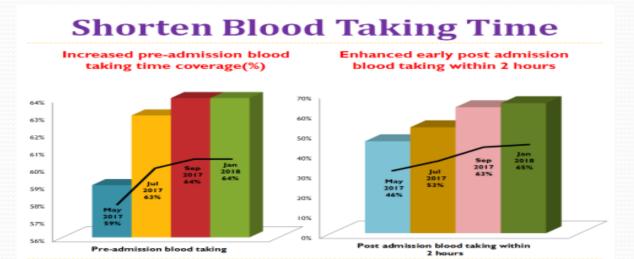


## **Result & Outcome**

• ↑ 75 % pre-admission blood taking in A&E at night

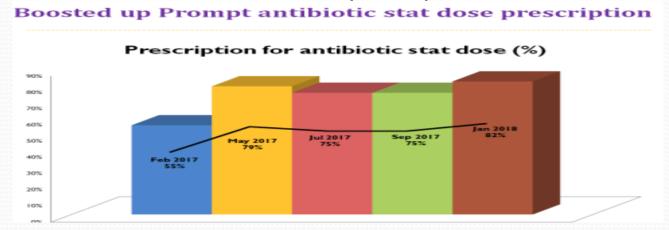


Post admission blood taking 81% in 2- 4 hours in wards

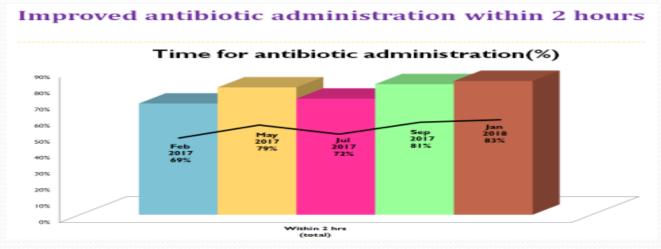


## Result & Outcome (cont'd)

• ↑ 82% of "stat dose" antibiotics prescription



Over 80% of first dose antibiotic administration within 2 hours



100% of neutropenic fever patients admitted under haematology care