

Clinical Audit–Chest Pain Pathway Compliance With Patient Safety Check And Door to Balloon Time in a NABH Accredited Multispecialty Hospital [Aditya CARE Hospital (A Unit of M/s. Quality CARE India Ltd.) Bhubaneswar unit]

AIMS AND OBJECTIVES OF STUDY

Aim

- The main aim of the study is to assess all the lifesaving support to cardiac patients with in time for proper management and to avoid the patient negligence.

Objectives

- To find out the compliance of chest pain pathway and door to balloon time ,to compare it with the set standards and criteria.
- To compare it with the previous month data to know the effectiveness of the awareness and training programmes arranged for doctors and nursing staff for better compliance.

GUIDELINES FOLLOWED-

Standards and criteria set for the cardiac patients according ACC/AHA guidelines.

METHODOLOGY

Study area- Aditya CARE hospital, Bhubaneswar ,

Study design-Cross sectional- quantitative analytical study

Approach- the approach of this project was-

- Used the predesigned tool and checklist of chest pain pathway.
- Self-observation of patients in emergency department.
- Review of the patient files and documents.

Patient inclusion criteria

1. Patients admitted with complains of (cardiac symptoms) acute condition of chest pain which may radiate up to back, shoulder, arm, throat and jaw may be associated with anxiety/palpitation/chocking or squeezing sensation/nausea/vomiting symptoms which indicates the Myocardial infraction or angina.
2. And patients which are shifted from other canters where they were admitted with the similar complains or they had received the treatment for the same.

Primary source of data

- Self-observation in Emergency, ICU,AMCU departments.
- Unstructured interview of nursing staff and doctors.

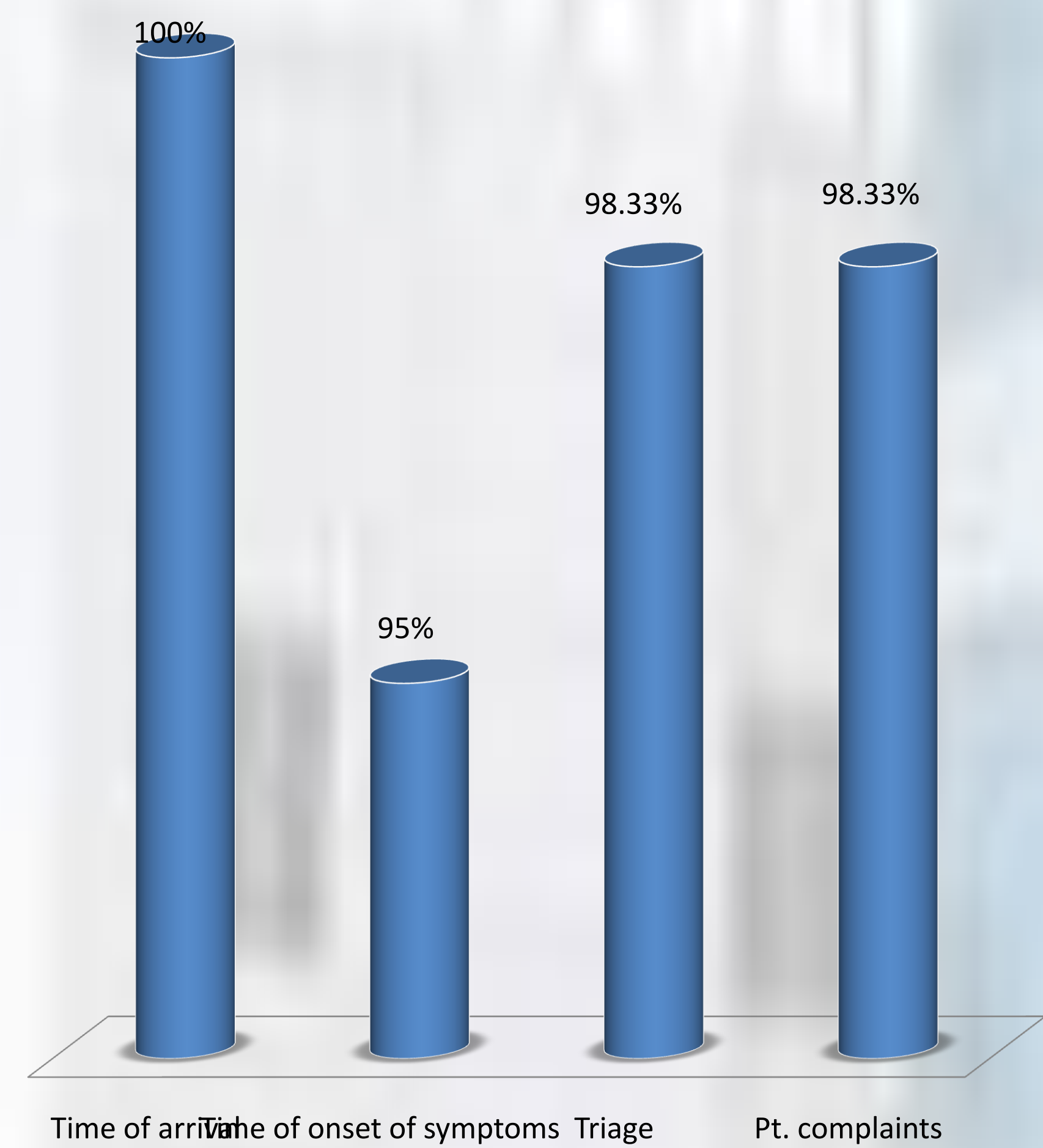
Secondary source of data

- Emergency department records.
- Patient files study
- Discharge files from medical record department.

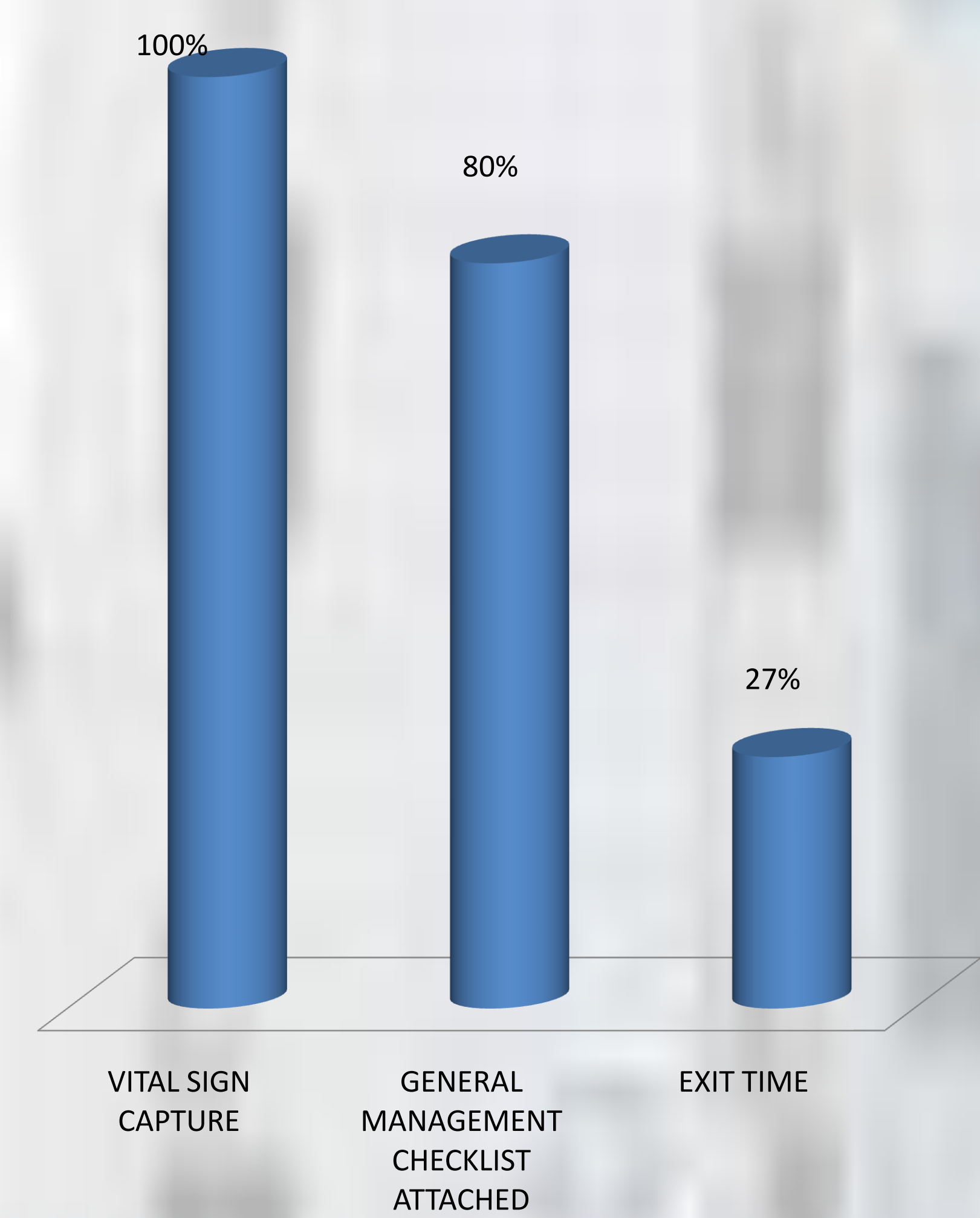
STUDY POPULATION AND SAMPLE SIZE

Convenient sampling has been done –Daily two patients studied in Emergency department between 9 AM to 6 PM. total 60 patients has been studied in April month.

ER Physician data capture compliance



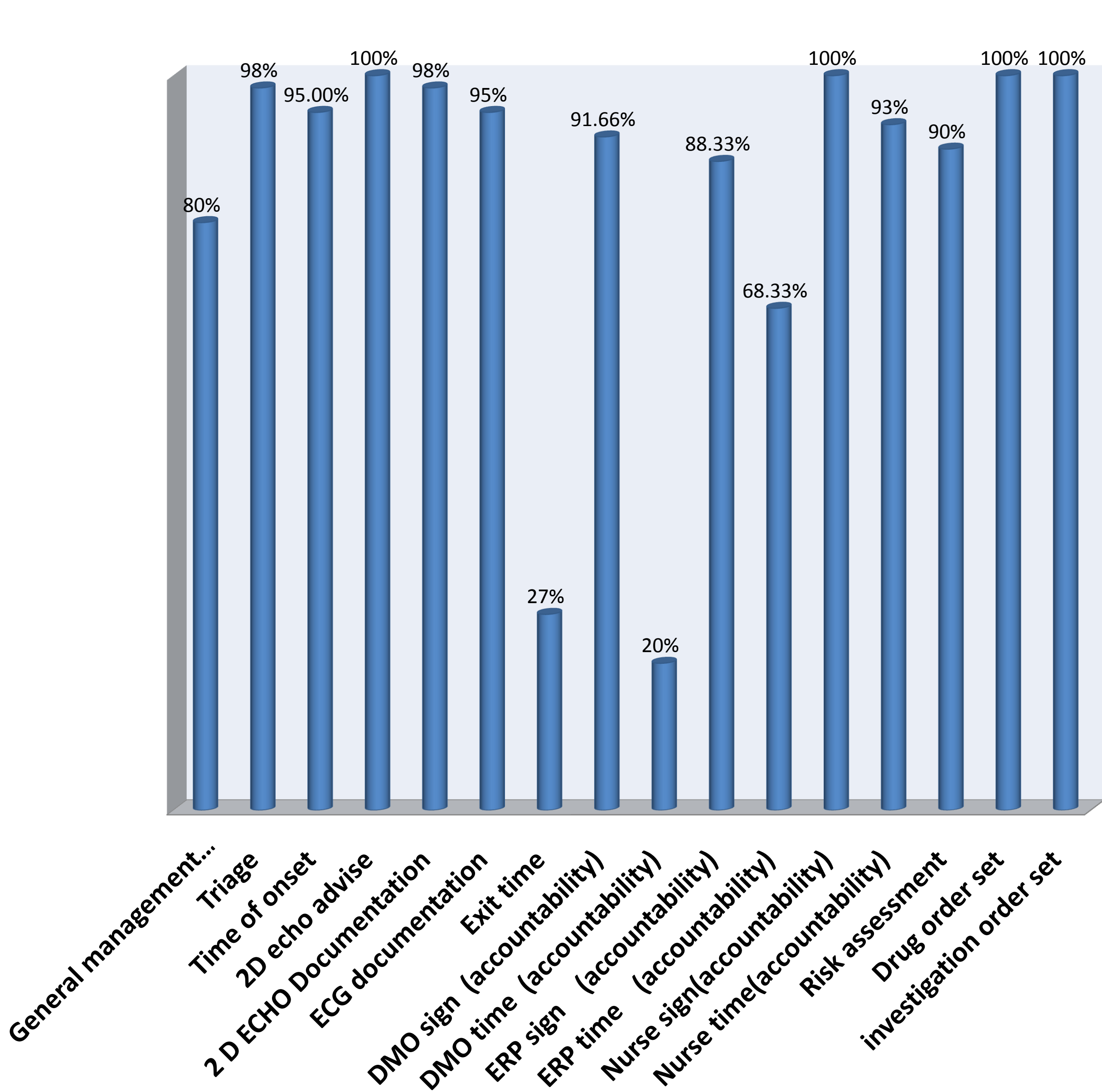
Nursing data capture compliance



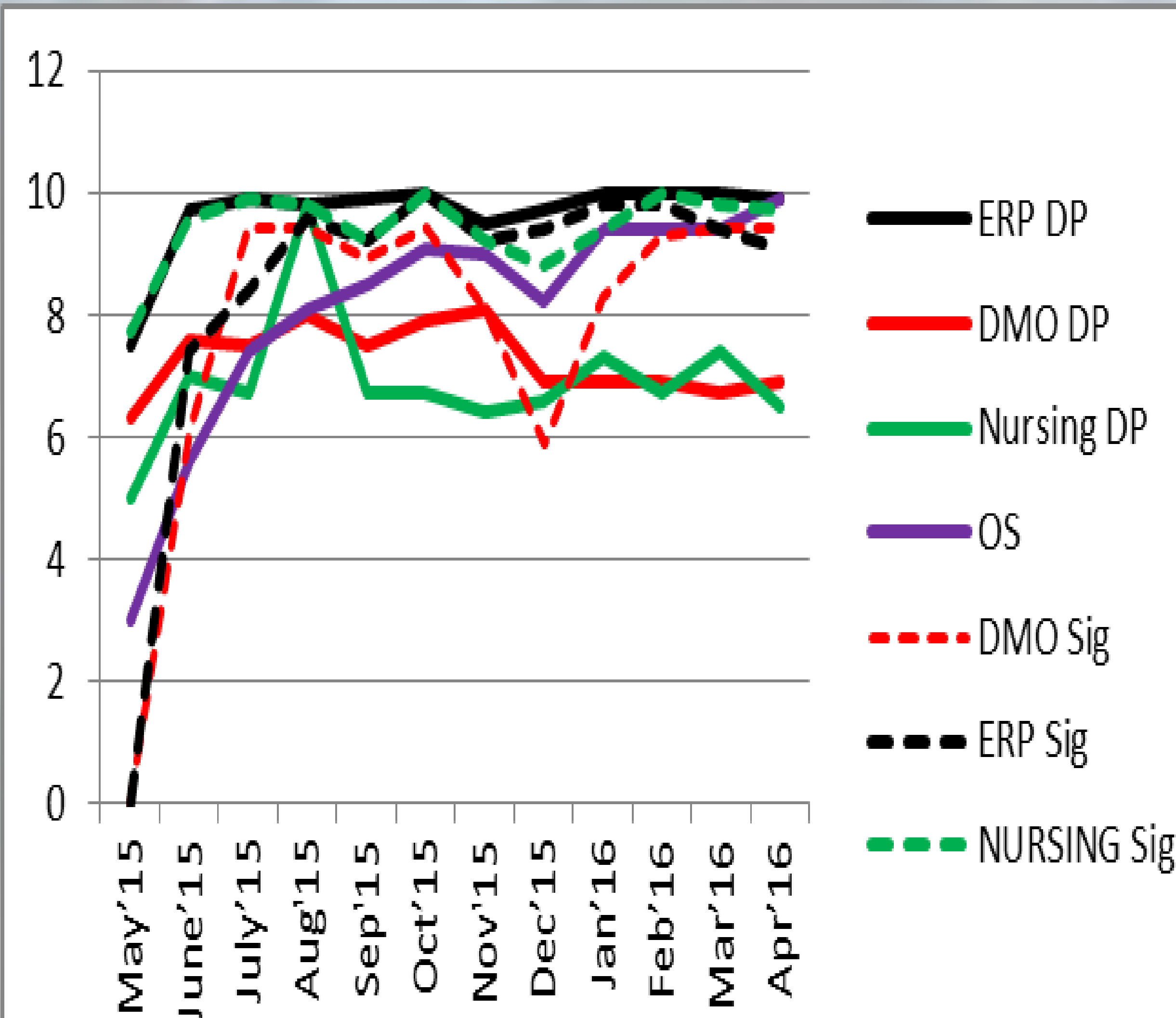
ALOS		SET STANDARDS
ER ALOS	5.66 HRS	8 HRS
ALOS CHEST PAIN PATIENT IN HOSPITAL	5.26 DAYS	
Number of deaths out of 60 chest pain patients		
Mortality rate	Deaths	
April 16	5	8.335%

FINDINGS

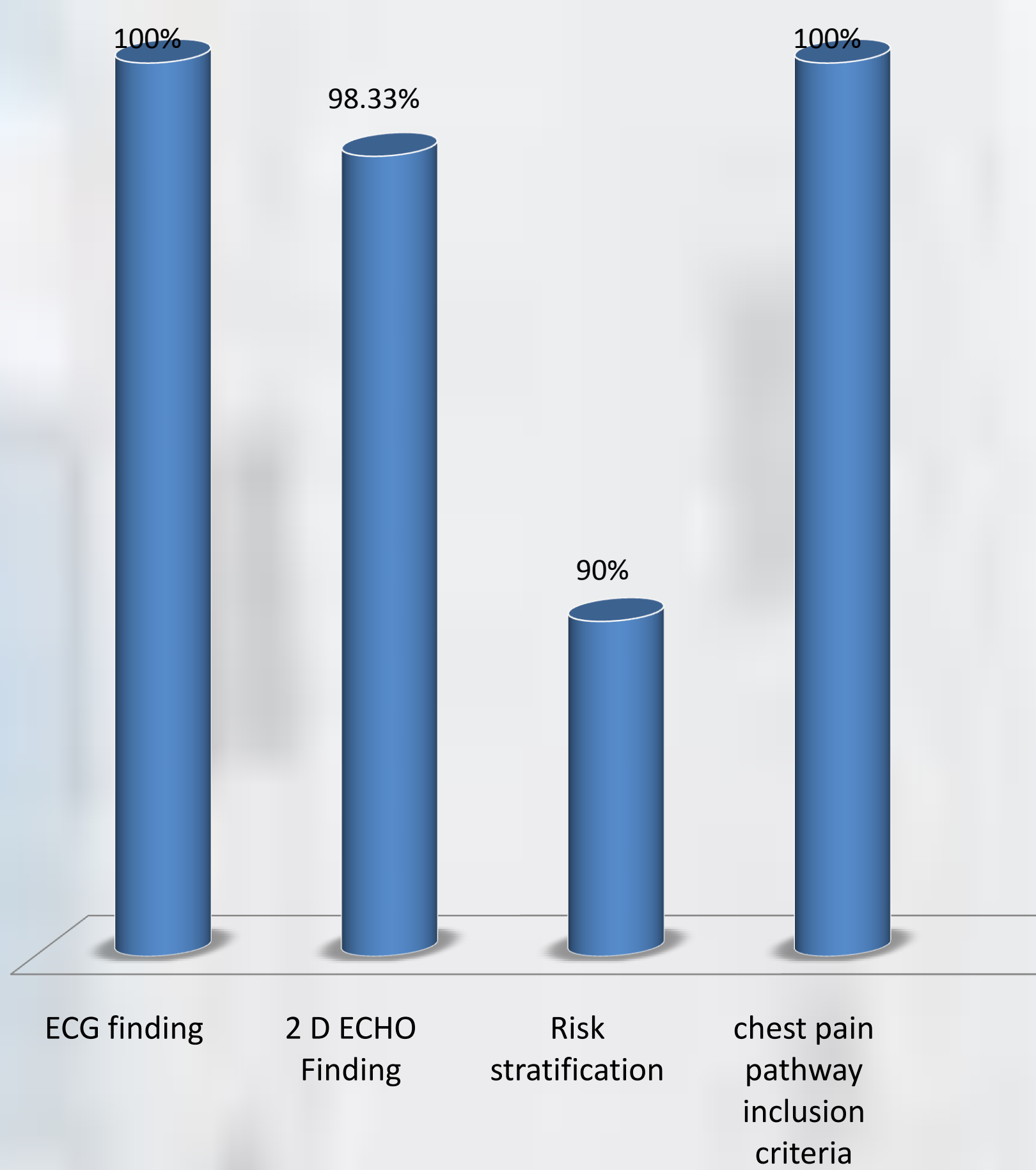
Documentation Compliance Of Chest Pain Pathway



(Monthly) Comparison of Chest Pain Pathway compliance-



DMO/Consultant Data capture compliance



DOOR TO BALLOON TIME		SET STANDARDS
April 16	139 MIN	90 MIN

AVG TIME	April 16	SET STANDARD S
ECG	7.43 MIN	10 MIN
ECHO	17.58 MIN	20 MIN

Recommendations-Continuous Training programmes are needed for nursing staff to improve the compliance and to make them more aware about the utility of Chest pain pathway .

2. Accountability documentation (sign/time) of doctors is very important factor which need to be improved by directly talk with doctors and convince them for doing it

3. for decreasing the door to balloon time-

- Proper process flow is needed to guide and council the patient attendants about the procedure, clearing the financial doubts and help them in decision making .for this training programmes should conducted for patient relation executives.
- Doctors can take the help of audio-visual aids to council them and to help them in fast decision making.

4. Proper infection control measures need to be taken in cath lab before and during the procedure.