

PERCEPTION OF HEALTHCARE PROVIDER ON EMR

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INTRODUCTION

- An **electronic medical record (EMR)**, is the systematized collection of patient and population electronically-stored health information in a digital format.
- These records can be shared across different health care settings.
- Records are shared through network-connected, enterprise-wide information systems or other information networks and exchanges.

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Home Mr. Charity Opd 3 OPD.NCU.19-20-3371

Clinical History (If any) ☐ History Completed ☐ Detailed History [Add New](#)

Diagnosis History

Diagnosis	Duration	Treatment Under	Facility Name
Investigations History			
Type	Investigation	Date	Remarks
Treatment History			
Attachments			
Adverse Events			
Others			

Personal Details [Add New](#)

Habit

Smoker ☐ Comments Tobacco ☐ -Select- Pan ☐ Comments

Alcohol ☐ Comments Others ☐ Comments

Gynecologic History

Age at menarche LMP Cycle length

Duration of flow Associated pain ☐ -Select- Intermenstrual bleeding ☐ -Select-

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Home Mr. Charity Opd 3 OPD.NCU.19-20-3371

Mr. Charity Opd 3 - MRN-19050004 22 Yr / Male Certificates

Doctor: Dr. Anita Kharkar Dept: ONCOLOGY Referred By: Category: PRIVATE

Regn Time: 02-05-2019 06:58 PM Visit Type: New Complaint

Allergies: Sign. HD:

Address: Nicobar ANDAMAN & NICOBAR ISLANDS

Diagnosis: Diagnosis Pending

Reason For Visit (New Complaints) [Add New](#)

Test 1 Since day(s) Test 1

Test 2 Since day(s) Test 2

- EMRs may include a range of data, including demographics, medical history, medication and allergies, immunization status, laboratory test results, radiology images, vital signs, personal statistics like age and weight, and billing information.

MEDNET MARWARI HOSPITALS Search Directory Welcome Administrator

Home OPD Billing Home Patient Bill Page COUNTER:

Mr. Erwrewe Wr AD000056 [MED-8969] 12 Yr / Male

BALANCE 0 BILL 0.10 DATE 02-05-2019

REGN OPD.19-20-30

DOCTOR: Dr. Dinesh Agarwal CATEGORY: Paying

DEPT: MEDICINE TARIFF: Paying Clinic / HOSPITAL

VISIT: 02-05-2019 03:05 PM

AMT	DISC / CN	NET AMT
BILLED AMT 600/-		0/-
PATIENT AMT 600/-	RECEIVED	600/- NO BALANCE

Estimate: 0/- [Advance Receipt](#) [Credit Note](#)

SERVICES	RATE	UNIT	AMOUNT	DISC	RENDERED BY	DATE	NOTES	UPDATED BY
OPD CHARGES Rs. 600								
Re Registration	50	1	50		Dr. Dinesh Agarwal	02-05-2019		Administ..
REGISTRATION FEE	50	1	50		Dr. Dinesh Agarwal	02-05-2019		Administ..
NEW CONSULTATION	500	1	500		Dr. Dinesh Agarwal	02-05-2019		Administ..

Why EMR should be involved in Healthcare



Adverse drug events could be avoided by using EMR to track patient medication history and flag patients prescribed to several medications.



HEALTHCARE Approximately 4.5 Million ambulatory visits related to adverse drug events occurs annually in the U.S.



Outpatient facilities that adopt and use an EHR over 15year could have net savings of \$142 BILLION and for Inpatient is \$37 BILLION

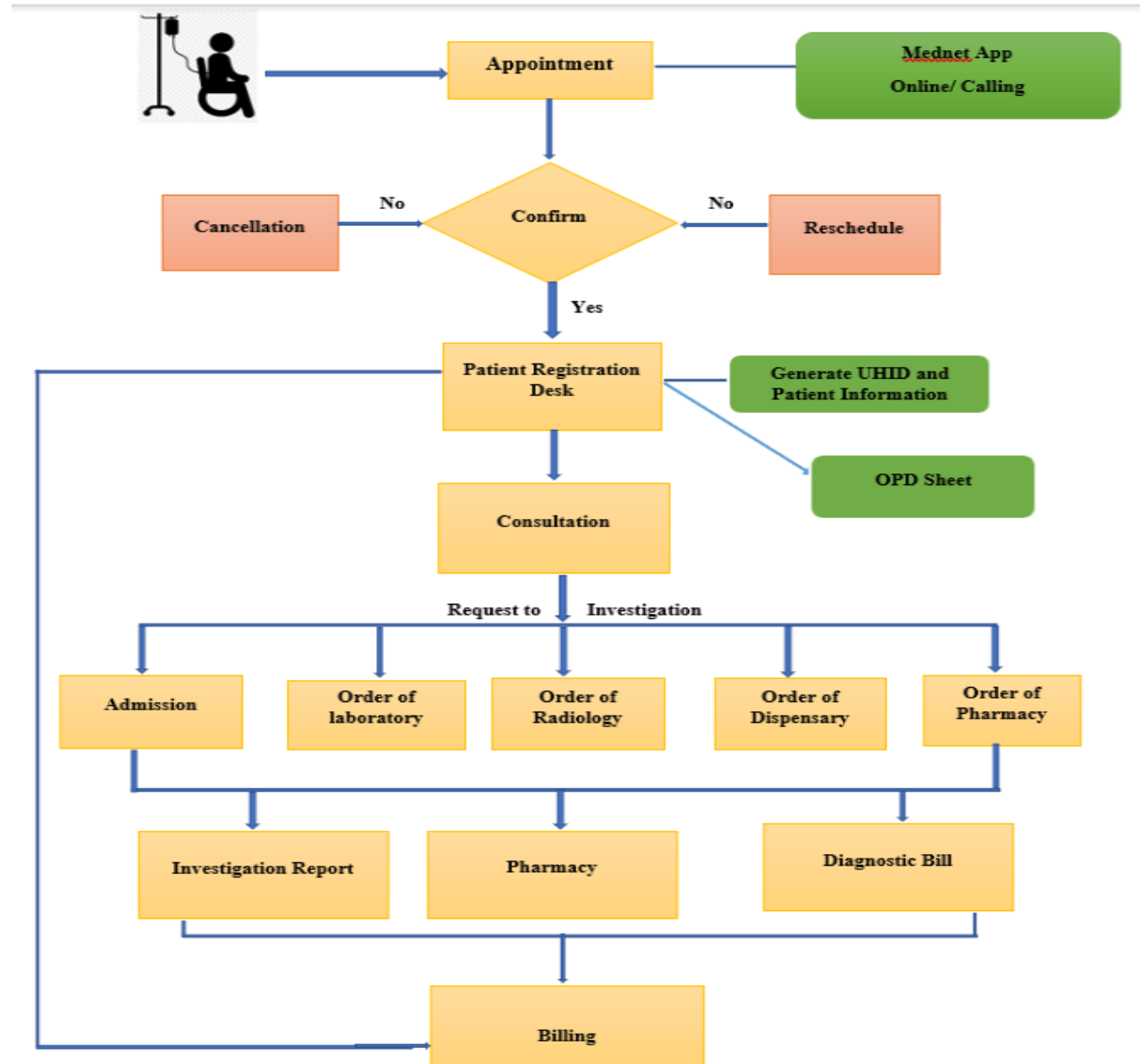


75% Reduction in transport Time

Some huge companies involved in EMR

- Accenture
- IBA Health
- VEPRO
- SIEMENS
- GE HEALTHCARE

Process Flow:



AIM :

- To study and understand the healthcare perceptions on Electronic Medical Record (EMR) in two Hospitals of Nagpur(Meditrina Hospital and VIMS Hospital)

Objective :

- To study and analyse the process of patient data capturing in EMR
- To analyse the challenges of users while Patient data capturing in EMR

Methodology

Sample size: 200

Sampling: Convenient Sampling

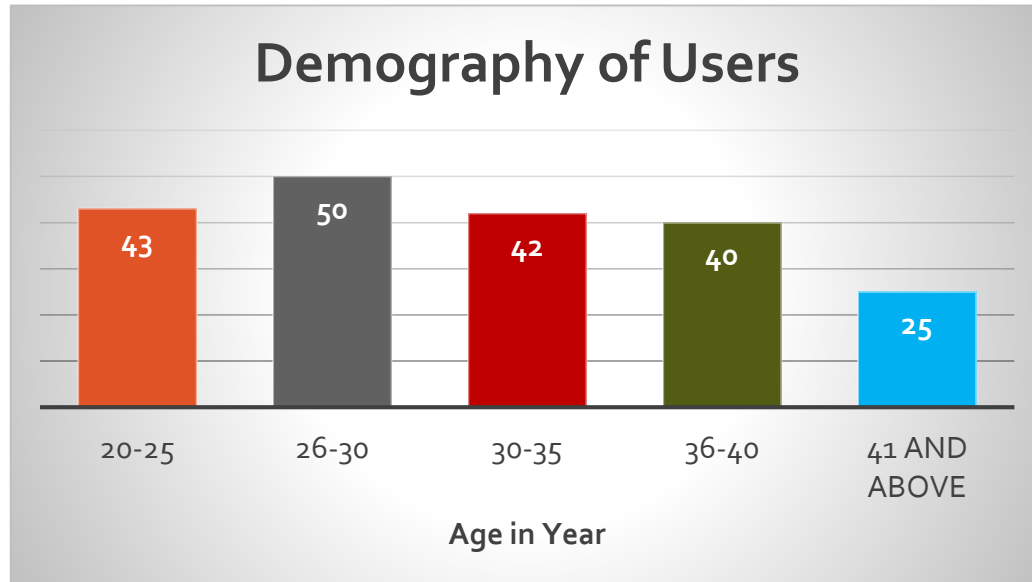
Research design: Descriptive Cross-Sectional Study

Research approach: Quantitative and Qualitative Method

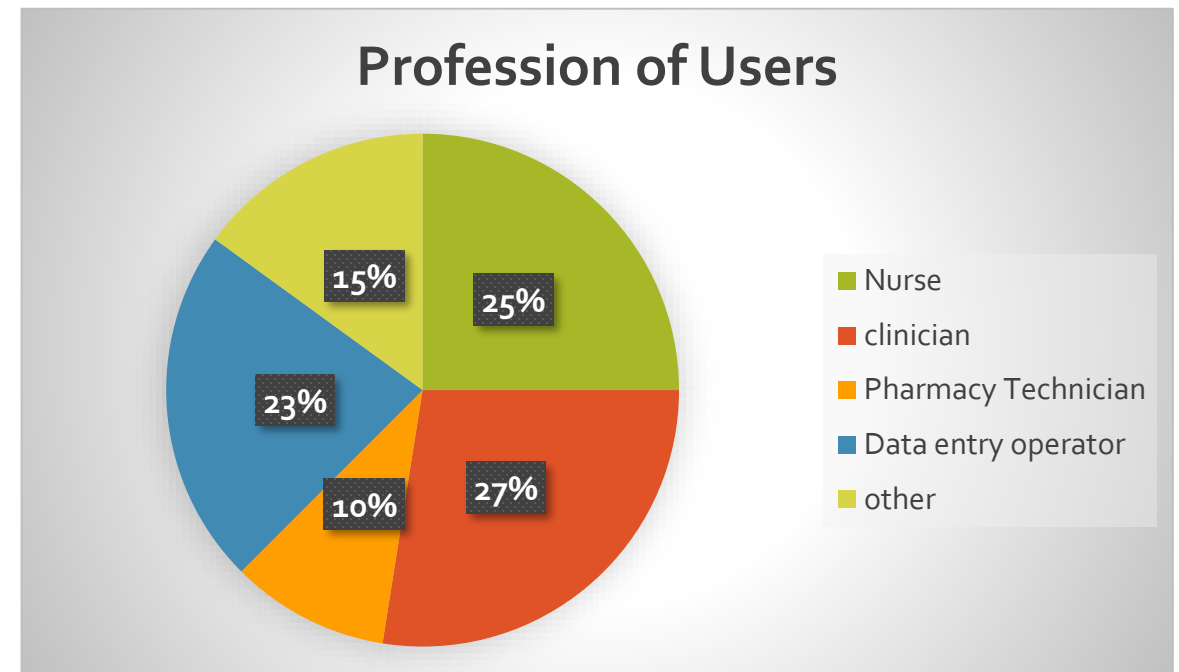
Data collection tools: Semi structure questionnaires for face to face interview was used for collection of sample.

RESULT

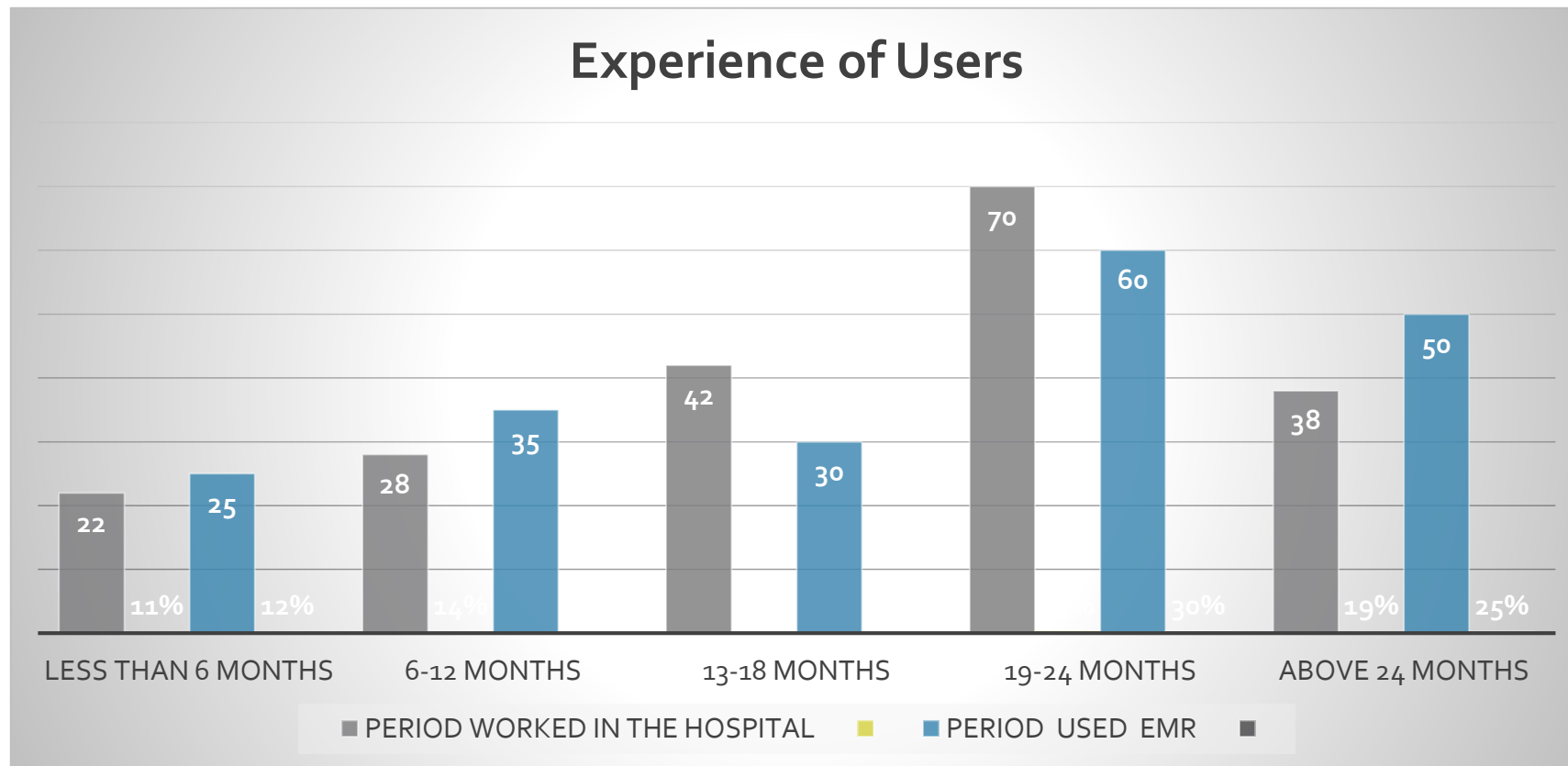
DESCRIPTION OF PARTICIPANTS



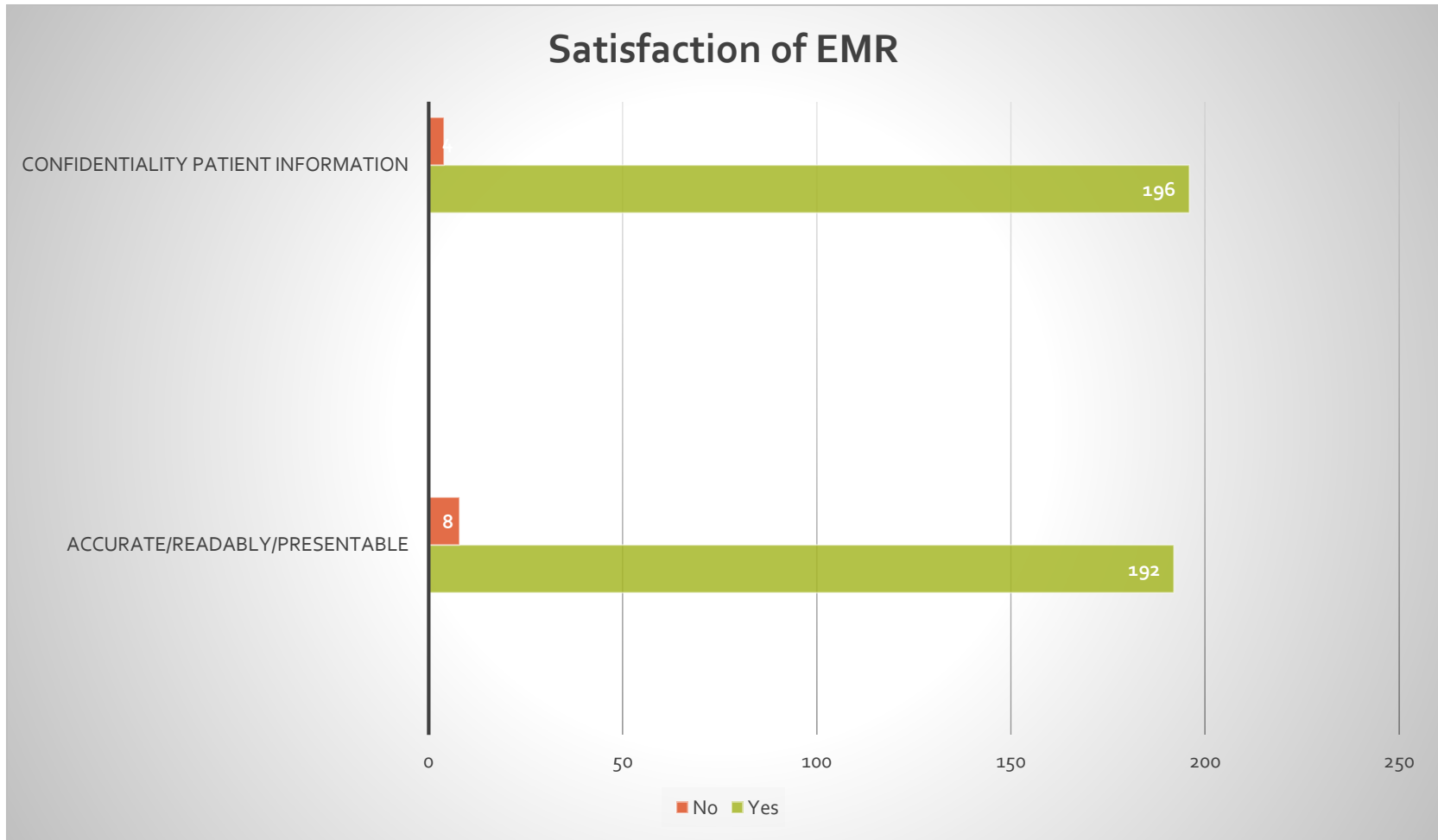
55% were Female and 45% were Male



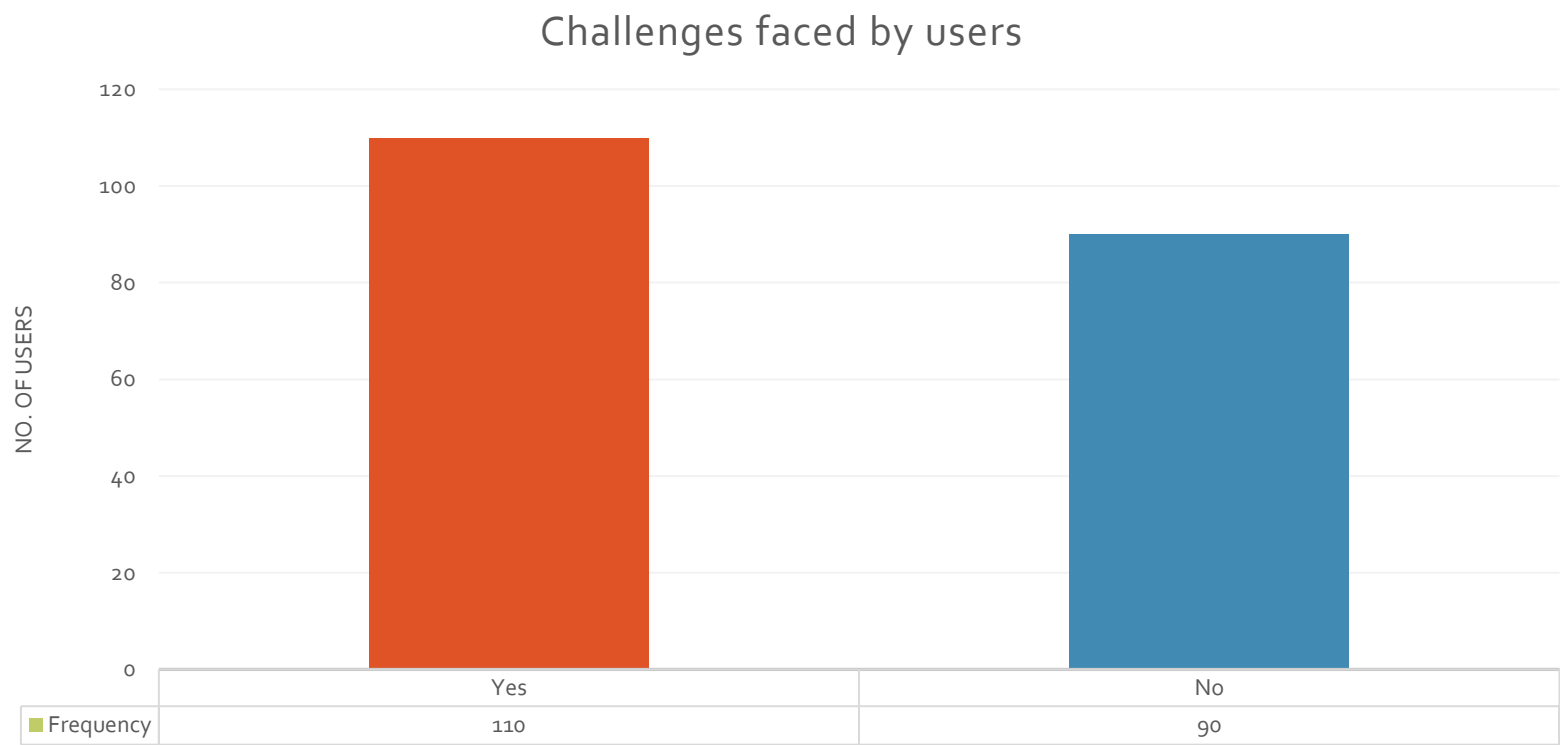
To be continued.....



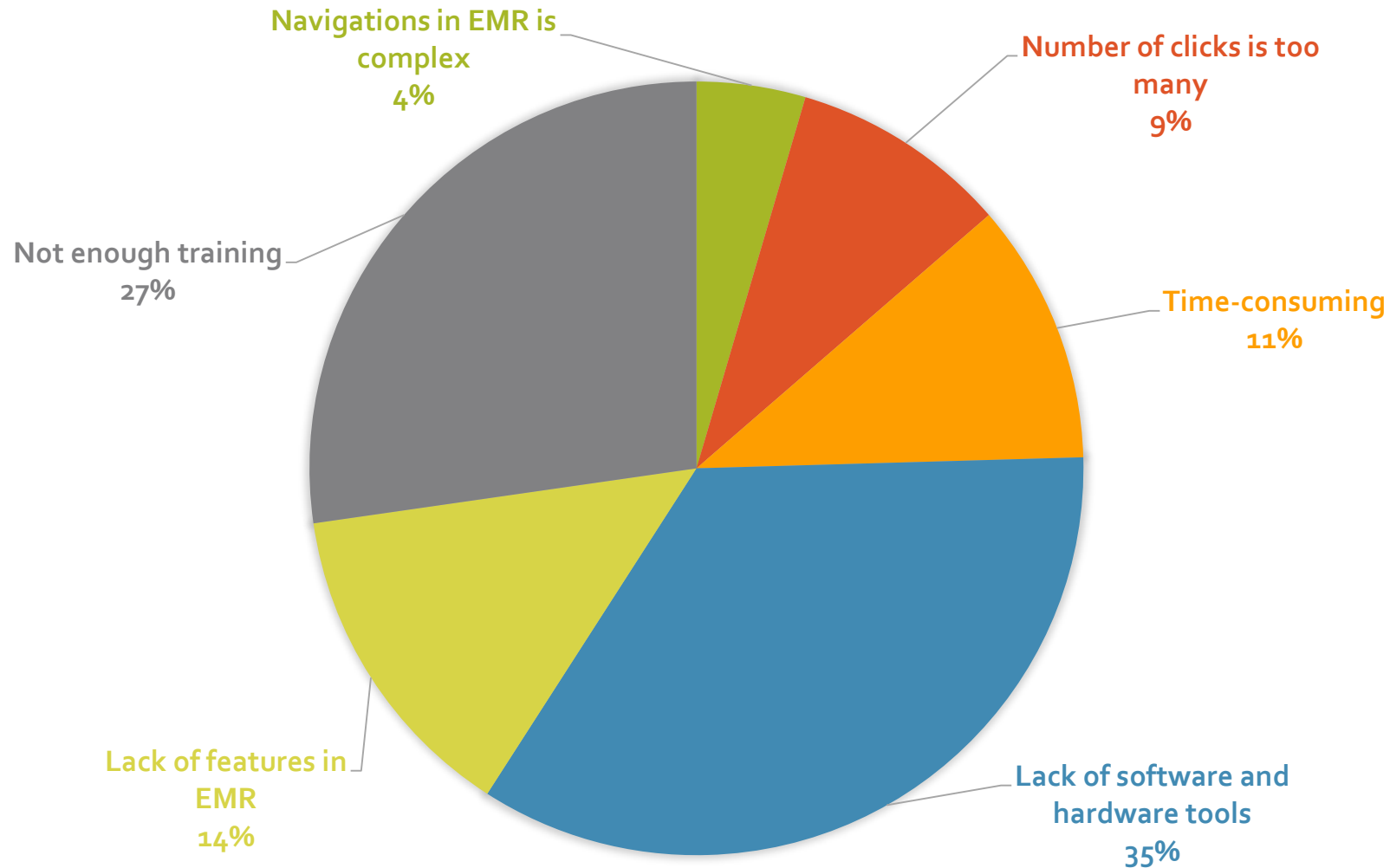
Healthcare Provider Satisfaction of EMR



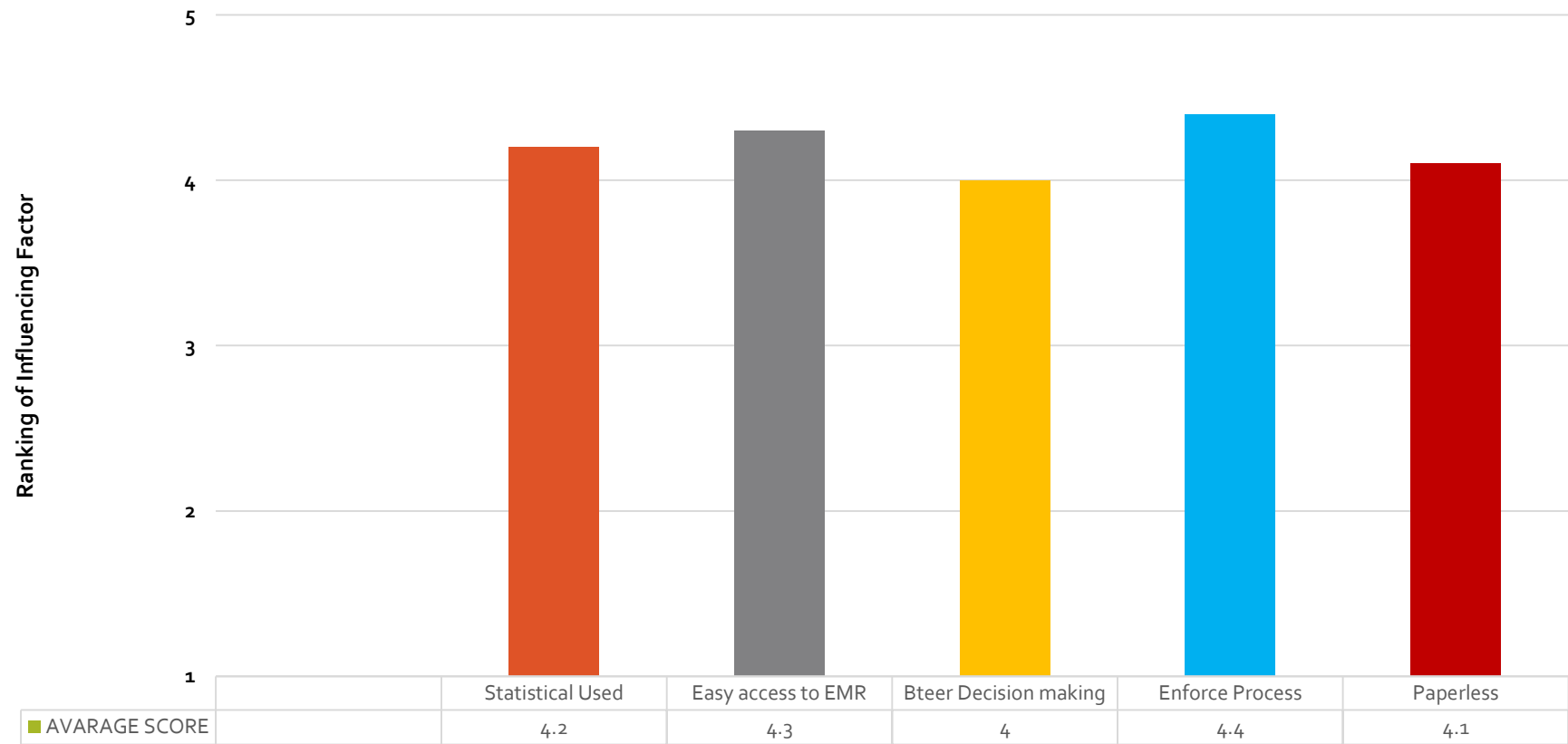
Healthcare provider facing Challenges



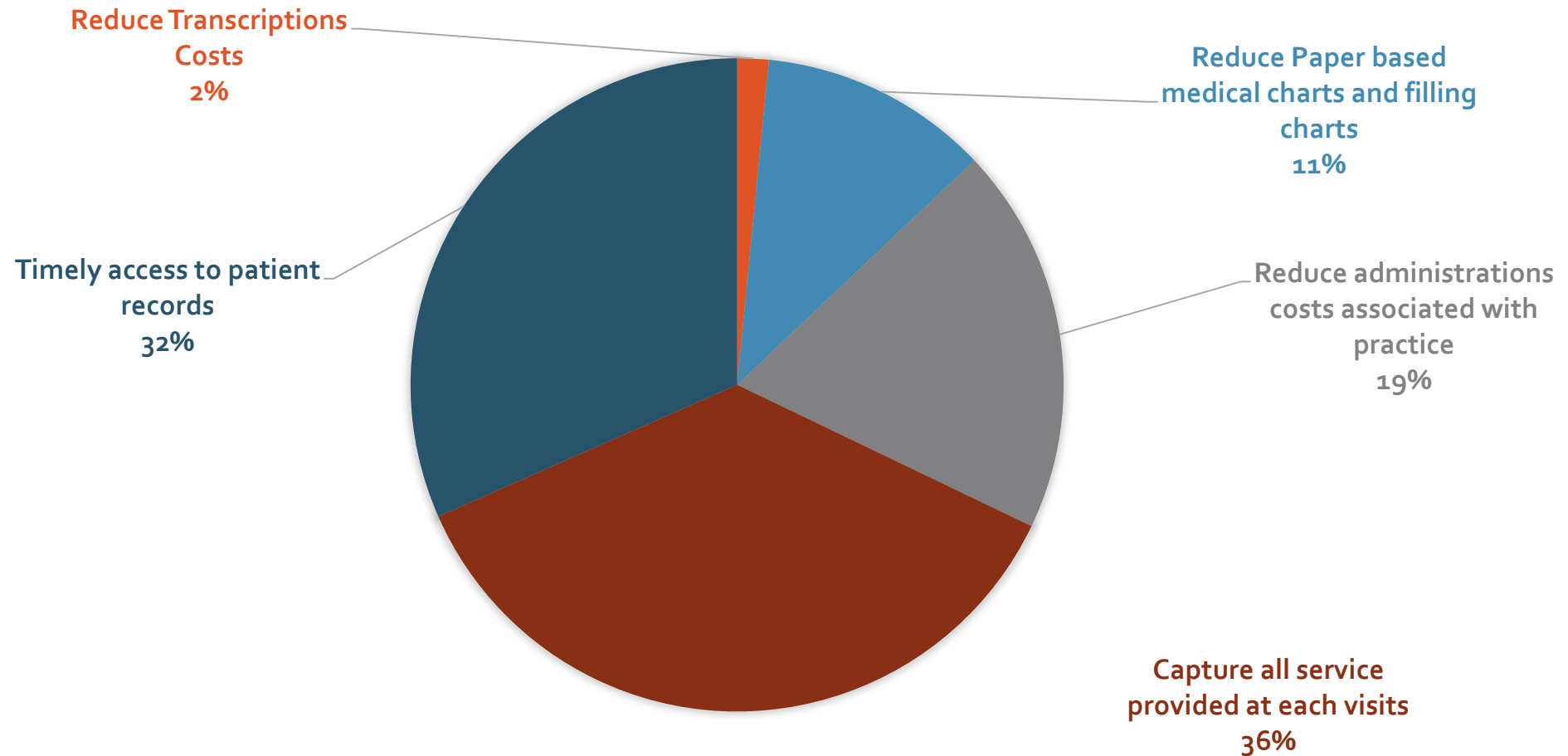
CHALLENGES FACED BY USERS WHILE DATA CAPTURING IN EMR



Benefits of Using EMR



What benefits do you hope to realize?



Findings

PROCESS BASED :

- **95 %** of Users responded overwhelmingly about EMR being accurate in information, presentable and readable to use
- **97%** indicated that the **EMR has maintaining the confidentiality** of patient information

Challenge Based :

- **55% of participants were experience problems** while capturing data in EMR.
- The most common problems experienced :
 - 1. Lack of software support and hardware equipment**
 - 2. Not enough training providing to users.**
- Their main benefits to use of EMR :
 - 1. Helps to enforce the process**
 - 2. users (especially clinicians and data operator) was that it is paperless**

Suggestions :

Process Based :

- EMR system make centrally accessing so that anyone can access and capture data from anyplace.
- There is a need to upgrade the EMR if possible, so it can give feedback on what has happened to patients referred.

Challenge Based :

- Finding shows that 27% healthcare provider not having enough training so it is suggested that Electronic Training (E- Training) and Classroom training given to the staff.
- Most of the user faced challenges while capturing data in EMR is lack of software and hardware tool so Medent should provide backup plan for replacing this issue at least one IT person always available in hospital to resolve such type of issue.
- One of the problems faced by user is time consuming for capturing the data so the data should not be in TEXT based it must be in TAGS or KEYWORDS form so that user can easily find out what they want to search. Data in Tags can be extracted and sliced or diced easily compared to data captured in free flow format.
- EMR system designed in such a way that it has multiple encountered access point rather than single encountered access point, so it is very easy to user for capturing data.
- 14% of healthcare provider faced challenges because of lack of features in EMR so EMR structure should be open ended type (more objective in nature) so that it would not take more time to fill the patient information , which helps to easily understand the patient information and give the more structured view for collecting and analysing the patient information.

Conclusion

- This study evaluated the satisfaction, difficulties, and encouragement for data capturing in EMR users in Medent. Overall, though there are challenges with EMR use, most users were satisfied with the EMR for patient care and clinical research
- The EMR is used to guide care and improve patient outcomes
- EMR users can capture the data with the system with solving the user's difficulties within a short time
- It is the disruptive technology in healthcare and will make huge impact for long term.



**REPLACEING
PAPER WITH ONE
CLICK.....**

THANK YOU
