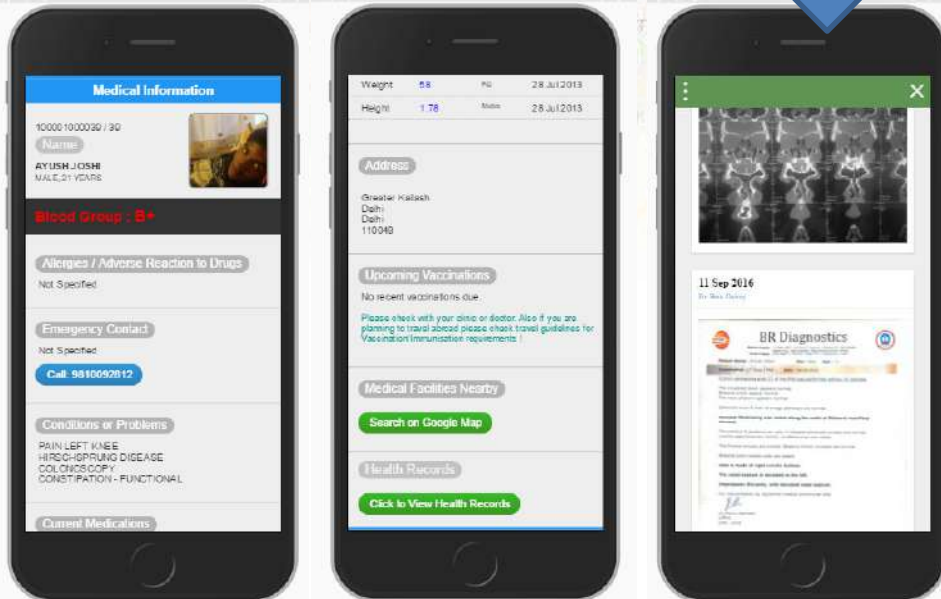


# Completely Portable Health Records on **SMART Health Cards**



- One ID Everywhere
- No duplicate registration
- Basic demographic, including Blood Group, Allergies, Emergency Information.
- All health data available wherever the patient goes.

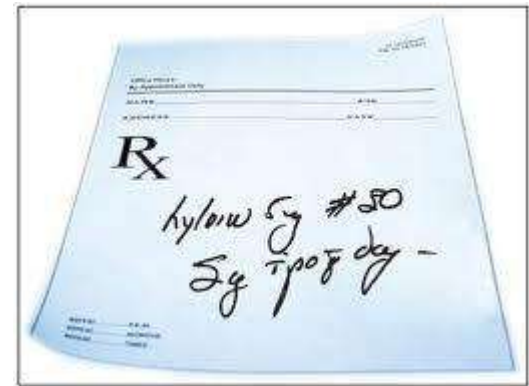
# Introduction

- **IHC** has been conceptualized and developed as a Virtual Health Care platform where People, Organizations, Doctors, Health service providers etc. can get associated and interact with each other.
- IHC's eco-system uses the power of technology and the internet so that the benefits of modern medicine are seamlessly available to all sections of the society.
- It provides an **electronic bridge** between all stakeholders in the healthcare domain, namely:-
  - Hospitals/Doctors/Healthcare providers
  - Diagnostic Centres
  - Pharmacies
  - Allied Health Services
- Patient Centric System

# History of Health Records

The natural medium with which to record medical history is paper, since it is simple to use, low in cost, and reasonably durable.

Information may be quickly added and readily shared amongst health professionals caring for a patient. However, problems arise due to the decentralized nature of the healthcare system; patients frequently visit different offices for dental work, cardiology, and primary care, impeding the necessary flow of medical information. **Fragmented, incomplete patient records pose an obstacle to patient care.** It is generally agreed that administrative costs are a serious burden, and changes that can alleviate these costs are desirable. An electronic medical records system has the potential to solve the problems of traditional paper records.



# IHC Solution

We provide Smart QR Code based medical smart card system for maintaining and transferring patient health records. Each patient, if he or she elects to do so, will carry a credit-card shaped personal smart card containing his or her medical records.



The data on these cards will not be accessible unless the card is read by a QR Code reader on a mobile phone or desktop and after receive a secure OTP. When read, the provider will be able to access the patient's medical records . Providers and even the patients can update the card with any relevant changes.

Individual patients will possess their records in a convenient form, and professionals can be certain all available records are present. In addition, implementing such a system will effectively begin converting all current paper based medical records into electronic format, serving as a key step towards transitioning into fully nationalized electronic medical records.

# Benefits

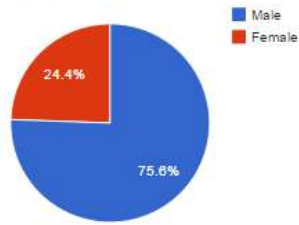
Healthcare organizations worldwide are implementing smart health cards supporting a wide variety of features and applications. Smart health cards can improve the security and privacy of patient information, provide the secure carrier for portable medical records, reduce healthcare fraud, support new processes for portable medical records, provide secure access to emergency medical information, enable compliance with government initiatives and mandates, and provide the platform to implement other applications as needed by the healthcare organization.

- Helps patients access their records while abroad or away from home
- Enables doctor making a home visit to check the history
- Helps avoid delays if practice or hospital records go missing or are being sent between centers.
- Can be used in emergencies
- Older people could be more independent if they did not need to rely on a caregiver to provide information
- Patients may be more involved in their care when they can view their records for themselves
- Enable compliance with government initiatives and mandates
- Provide a platform to implement other applications and schemes.

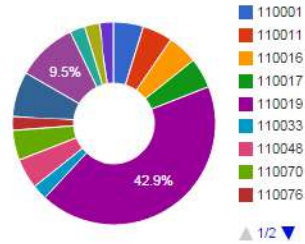
# Services Provided by IHC

- Digitization of health records
- Helping remote health centres go Digital
- Providing Digital Health Cards to all patients
- Telemedicine and Second Opinion Services
- Qualitative and Quantitative Analysis of health Data
- Provide a platform to implement other applications and schemes.

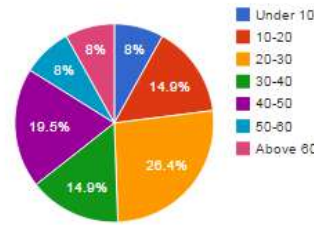
GENDER WISE DISTRIBUTION TOTAL  
PATIENTS : 90



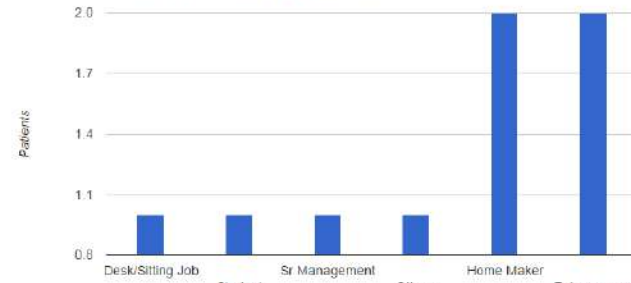
PINCODE DISTRIBUTION



AGE WISE (YEARS) DISTRIBUTION TOTAL  
PATIENTS : 90



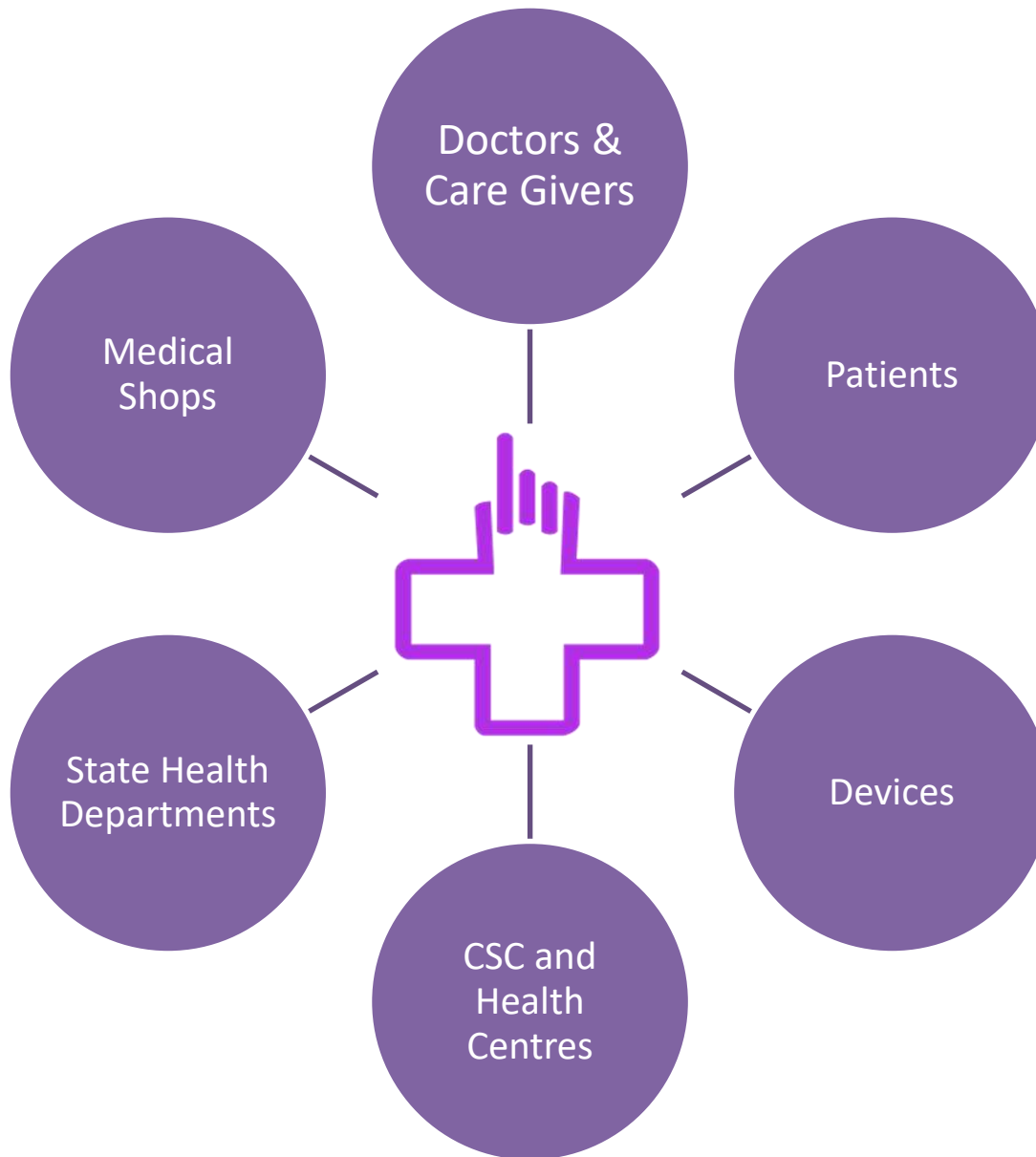
PROFESSION/OCCUPATION DISTRIBUTION



## Data Analysis for

- Improved Healthcare delivery
- Make affordable healthcare a reality by golden hour.
- Reduce wastage of time, multiple tests, multiple drug consumption
- Predictive analysis by collection and analysis of geographical, social and medical data.
- Create further models for management of disease outbreaks
- Patient education for preventive care

Customized Data Analysis and Reporting

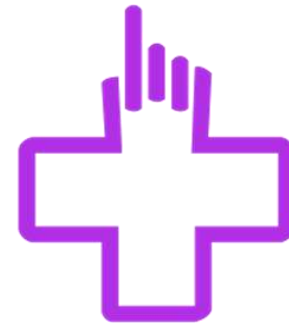


**IHC.IO – Can be used in the whole ecosystem**



# IHC Current Status

- 1.5 Lac Patients
- 300K Medical Records
- 2500000 Appointments Reminders and Alerts



[www.ihc.io](http://www.ihc.io)  
Integrated Healthcare

# What does IHC have?

To solve these problems

Health Information System which works in Indian Conditions

Instant scan and capture with integrated hardware

Data share between care givers, doctors & Government

Mobile App  
- Doctor  
- Patient

Simple easy to use Smart Health Cards

Highly experienced public health team

# Web Enabled, Cloud Hosted Integrated Healthcare System Built on modern technologies



Scalable Infrastructure – Open Standards



14 © 2015 Copyright Indian Health Centre. The information contained herein is subject to change without notice.



# Fast Capture of Health Records integrated with the Smart Card Application

BKT Version 1.04



- ✓ Web and Mobile based tools
  - Register users
  - Capture Health Records
  - Share them easily
  - Monitor Health Progress
  
- ✓ IHC EMR is **one of the fastest tools** deployed in medical office to record, capture and secure patient records on the cloud

<https://ihc.io/apami2014/Share-IHC-APAMI-2014.htm>

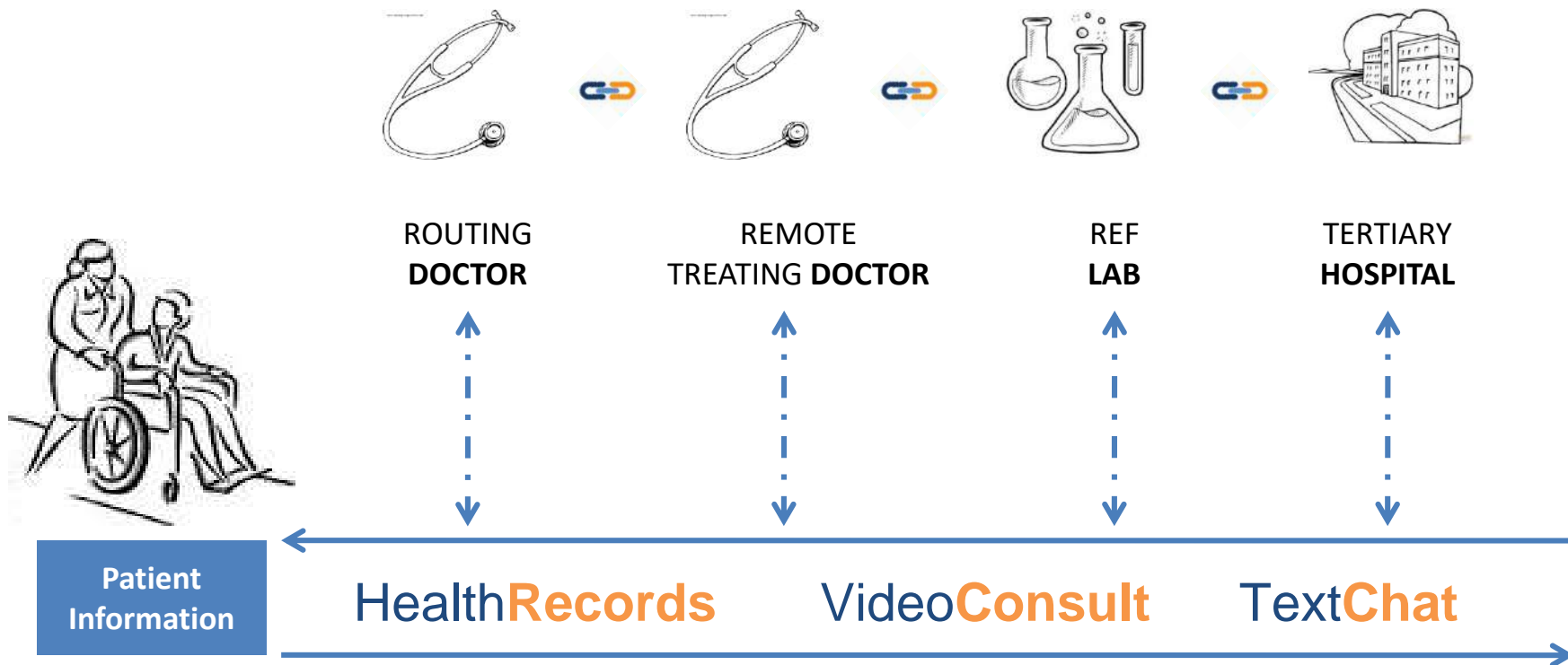
IHC presented paper on "Implementing seamless Usability Index (UI) of EMRs in OPD / IPD / Diagnostics / Labs settings in India" at Asia Pacific Association of Medical Informatics (APAMI 2014)

[APAMI 2014](#)

# Data can be accessed across Stake Holders

## Rural/Tier 2-3 Remote Patients

MOBILE – WEB – PHYSICAL



# Scalable Product – API Integration



{JSON}



## Daily SMS Alerts



Search Patients

IN DR ON

Madan Lal, Male, 46 Y, 7289816815  
#100106009786  
Conditions : Flank Pain, Dysuria for 4 days more...

Assessment Diagnosis Plan **E prescription** Next Review Vaccinations Discharge Summary Preview

Update Medicine

Search Medicine by Brand Name Brand Generic Problem

Amoxylac 500 Ampilox d  
Betadine Gargle Brufen  
Calcirol Calpol Cefixan  
Combunex Combutor  
Deritan Diclomol Diclo  
Eukroma Eyefil Drops  
Flutiflo  
Galvus Glimmer Glyci  
Hatric Vapo Honitus  
I-pill Ibuprofen Ibuprof  
Ketoral  
Levoflox Levoflox Livb  
Medrol Metrogyl Metr

Save x TELMITOP HC -- Telmisartan + Hydrochlorothiazide - ORAL - 1 Tablet - 1 time per day for 1 month - in the morning

ORAL TOPICAL (apply to skin) NASAL OPHTHALMIC (eye) INTRAVENOUS INTRAMUSCULAR INTRAVITREAL INTRASYNGEAL INTRASPINAL INTRAPERITONEAL  
INTRADERMAL INTRABURSAL INTRA-ARTERIAL INHALATION STEAM INHALATION NEBULIZATION EPIDURAL DURAL CONJUNCTIVAL BUCCAL AURICULAR (OTIC) VAGINAL  
URETHRAL SUBMUCOSAL SUBLINGUAL SUBCUTANEOUS SUBCONJUNCTIVAL PERIODONTAL IRRIGATION

¼ ½ 1 2 3 4 5 8 9 10 11 12 13 14 15 20 25 30

Units Puffs Drops Spoons Teapoon Apply


od bid tid q2h q4h q6h q8h q12h qad QWK Monthly SOS SUT as directed

30m 15m 10m morning afternoon evening bedtime morning and evening M-A-E BF WF AF BBF ABF BM Post Antibiotic Reduce Increase


1 day 2 days 3 days 4 days 5 days 6 days 10 days 1 week 2 weeks 3 weeks 1 month 2 months 3 months 6 months

DEMO PATIENTS ARE NOT REAL


Electronic-Prescription and notes with generic medicines



**115 / 75 mmHg**  
blood pressure  
2013-07-06 10:00:00



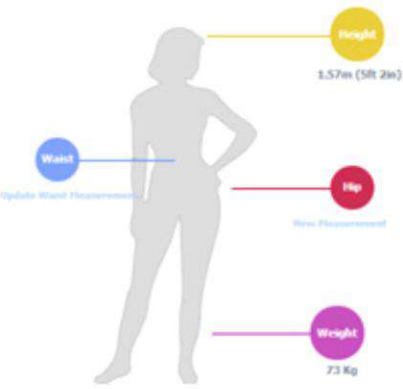
**68 beats/min**  
heart rate  
2013-07-06 10:00:00



**117 mg/dL**  
glucose fasting  
2013-07-06 00:00:00

---

**Body Measurements**



Height: 1.57m (5ft 2in)

Weight: 73 Kg

**Body Composition** (requires gender, height, weight, date of birth)

Body Fat %: 11

Lean Body Mass (Kg): 43

Fat Mass (Kg): 30

Ideal Body Weight (Kg): 68

Total Body Water (L): 33

Body Mass Index BMI: 30

Allergies or Adverse Reaction to Drugs

Glucose Profile

Family History

Lipid Profile

Health Conditions / Issues

Liver Function

Social History

Kidney Function

Current Medications

Electrolytes

Body Measurements

Thyroid Profile

Vital Signs

Complete Blood

Vaccinations Reported

Request a custom tracking panel

Vital Signs

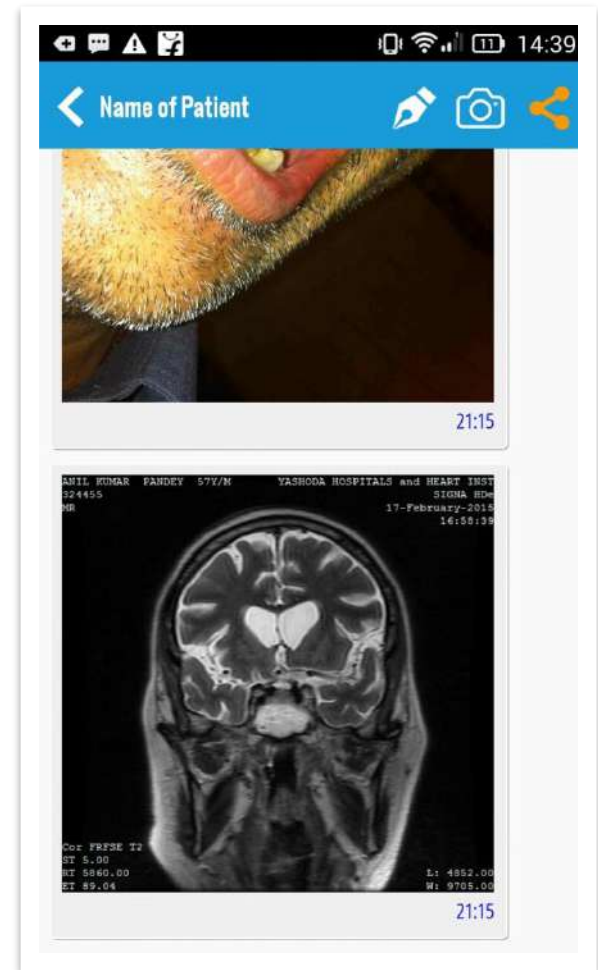
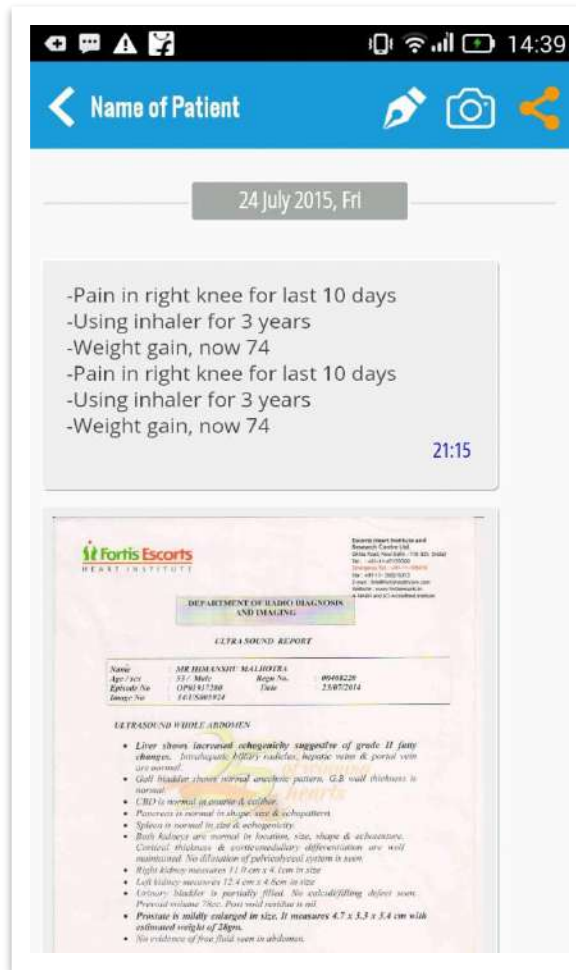
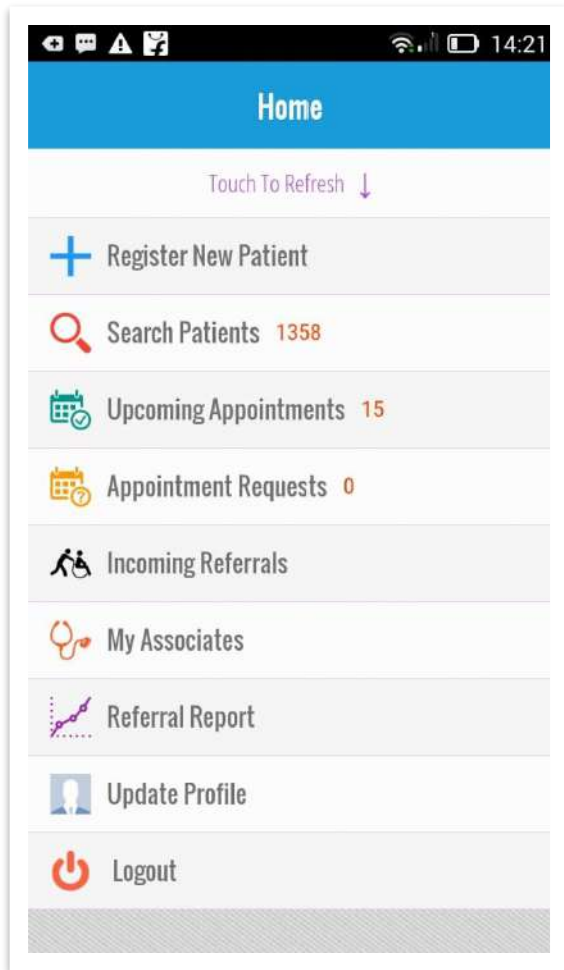
	Record Date	Sys.BP	Dia.BP	Position	
☆	27-Jun-13 01:15	117	79	Sitting	90
☆	27-Jun-13 00:45	127	83	Lying	85
☆	26-Jun-13 00:00	125	75	Sitting	100

Lipid Profile

	Record Date	T.Cholesterol	HDL	Triglyceride
	07-Nov-13 00:00	180	42	145
☆	08-Jul-13 00:00	236	37	387
☆	28-Jan-13 00:00	252	40	250

Patients can update and view information from Desktop





Patient / Provider updates & views information from Mobile App

# Can connect with Remote **Centres** for Healthcare Delivery

