



ELECTRONIC HEALTH RECORDS

Efficiency while Maintaining Patient Safety



Introduction

Our world has been radically transformed by digital technology – We live in an age of information where everything is a click away.

Medicine is an area full of information that has yet to fully benefit from this and with Electronic health records (EHRs) we aim to change this.



What is EHR?



An Electronic Health Record (EHR) is a digital version of a patients' paper chart, providing real-time information to authorized users.

EHRs contain everything about a patients' medical history - treatment plans, allergies and test results



Key Features of EHR

- The ability to interact with ***multiple*** Health Care Organizations.
- The sharing of information among ***all clinicians involved in a patient's care.***



What does it contain?

- An EHR contains patient health information, such as:
 - Administrative and billing data
 - Patient demographics
 - Progress notes
 - Vital signs
 - Medical histories



EHR Benefits

- ***Better Health Care*** by improving all aspects of patient care. (Clarity of information and speed of access)
- ***Improved Efficiencies and Lower Health Care Costs*** by promoting preventative medicine and improved coordination of health care services.



EHR Benefits (Cont'd)

- **Information Access** by allowing users to automatically share and update information across a network. (*labs, Radiology, bedside notes, clinics all fully integrated*)
- **Lower Costs** by reducing document redundancies and increasing management efficiency



Advantages of EHR's

- Providing accurate, up-to-date, and complete information about patients at the point of care
- Securely sharing electronic information with patients and other clinicians



Advantages of EHR's(Cont'd)

- Helping providers more effectively diagnose patients and reduce medical errors to provide **safer care.**
- **Reducing costs** through decreased paperwork, improved safety, reduced duplication of testing, and improved health.



Electronic Health Records System

- Our system is based on the document –
‘Standards for the Clinical Structure and Content of Patient Records’
 - Developed by the Health Informatics Unit, Clinical Standards Department, Royal College of Physicians, UK (July, 2013)
<https://www.rcplondon.ac.uk/resources/standards-clinical-structure-and-content-patient-records>



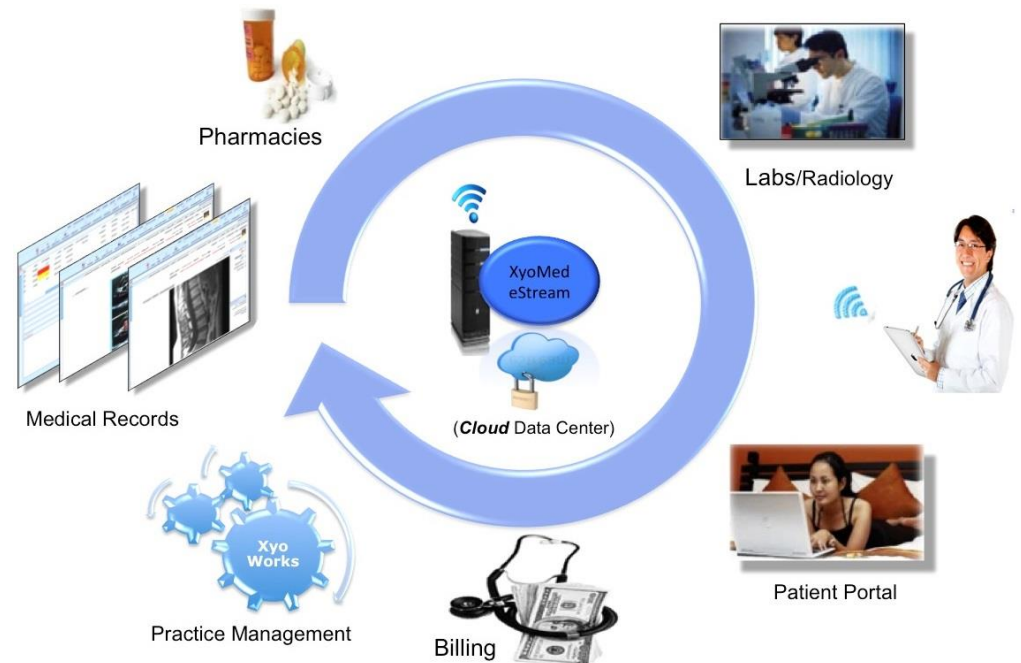
Implementing an EHR

1. Assess Your Practice Readiness
2. Plan Your Approach
3. Select or Upgrade to an EHR
4. Conduct Training & Implement an EHR System
5. Continue Quality Improvement



INNOSYS EHR DEMO MODULES

- Registration
- InPatient
- OutPatient
- Administration
- Scheduling



Assess Your Practice Readiness

- Are staff members computer literate and comfortable with information technology?



- Does the practice have any reservations with storage of Patient data on the web?



Assess Your Practice Readiness(Cont'd)

- Are administrative processes organized, efficient, and well documented?
- Are clinical workflows efficient, clearly mapped out, and understood by all staff?
- Are data collection and reporting processes well established and documented?



Planning your Approach

- Analyze and map out the current workflow and processes of the practice



- Map out how EHRs will enable desired workflows and processes, to improve inefficiency or duplicative processes.



Planning your Approach(Cont'd)

- Create a contingency plan to combat issues that may arise throughout the implementation process.
- Create a project plan for transitioning from paper to EHR, and appoint someone to manage the project plan.



Planning your Approach(Cont'd)

- You need to understand what data elements may be migrated from your old system to your new one.
- Identify concerns and obstacles regarding privacy and security and create a plan to address them.



Select or Upgrade to an EHR

- Selecting an EHR system is a critical decision and a significant planning task.



Select or Upgrade to an EHR(Cont'd)

- You need to identify goals and make a plan.
- A demo of the vendor's product should be done with various patient and office scenarios so that the system can be tested.
- All start up costs should be clarified before selecting an EHR system (hardware, software, maintenance and upgrade costs, option of phased payments etc.)



Conduct Training & Implement an EHR System

- EHR implementation involves the installation of the EHR system and associated activities, such as training, mock “go-live,” and pilot testing.



Important steps in Implementation

1. Have a specific data migration plan in conjunction with the EHR vendor
2. Execution of an EHR implementation training plan that includes specific goals and needs
3. Develop a privacy and security risk management mitigation plan



Continue Quality Improvement

- There should be constant evaluation of the system to ensure that the practice is functioning efficiently and to ensure staff and patient satisfaction.



Questions that can aid in Quality Improvement

- Were the goals and needs met?
- Is additional training required?
- Are you capturing the required data elements needed for internal clinical priorities, as well as for reportable quality measures?



Questions that can aid in Quality Improvement(Cont'd)

- Do staff roles and responsibilities need adjustments?
- Is the technology reliable?
- Is the technology “fast enough?”
- Is additional hardware needed?



Why Choose Innosys EHR

- Innosys is an indigenous company that has been producing quality software. We have been able to attract US customers.
- This solution is being developed in association with experts clinicians.
- We are fully involved with all stakeholders and take feedback from them.



Why Choose Innosys EHR(Cont'd)

- Our solution will be cheaper and will have a better quality than those available on the market today.
- Our system is based on a Standards document:
'Standards for the Clinical Structure and Content of Patient Records'
 - Developed by the Health Informatics Unit, Clinical Standards Department, Royal College of Physicians, UK (July, 2013)



Why Choose Innosys EHR(Cont'd)

- Innosys has a HRMIS solution that will fully integrate with EHR to complete the Hospital Management System suite.
- Innosys has a Purchasing, Inventory and Asset Management solution currently in use by GPHC that will also integrate with the EHR.
- Oracle certified Partner.



Why Choose Innosys EHR(Cont'd)

- Finally Innosys will work with stakeholder to bring cost down by offering Web hosting. GT&T will be providing significant increases to bandwidth by the end of this year. Our solution can be hosted in the Cloud. So there would be zero hardware cost, Zero technical support or IT cost.



Benefits of Cloud

- Cost Efficiency
- Improved management of growth
- The Latest Technology, Automatically
- Improved security
- No need for resident IT experts
- Complete accessibility



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Questions & Demo

