

The Role of IT in the Innovation of Medical Practice

C. Martin Harris, M.D.

Chief Information Officer, Cleveland Clinic Executive Director, eCleveland Clinic



- Founded in 1921
- Not-for-profit group practice
- 3,034 physicians and scientists
 1,300 bed hospital
 16 Family Health Centers

Cleveland Clinic System Statistics:*

Clinical visits: 5,085,842 Admissions: 157,474

• Health System Hospitals:

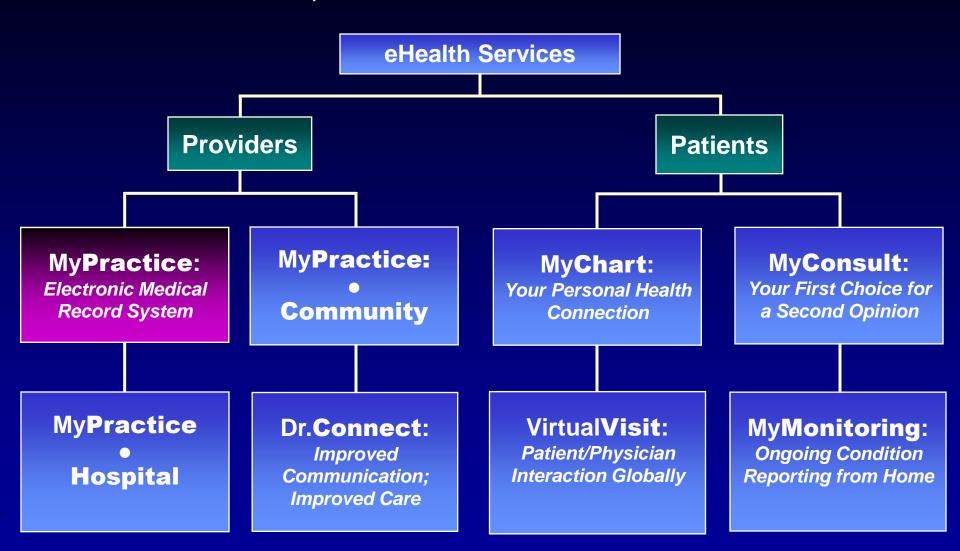
Euclid
Fairview
Hillcrest
Lakewood
Lutheran
Marymount
South Pointe
Cleveland Clinic Florida
Medina

- Surgical cases: 200,808
- Emergency visits: 456,613

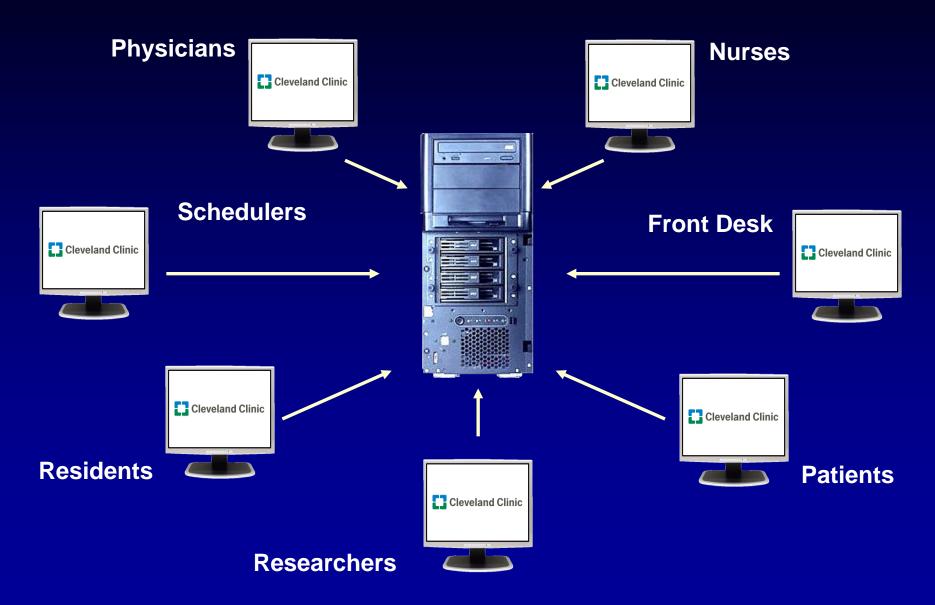
*Cleveland Clinic 2012 Annual Report, "A Unique Model of Medicine;" remaining, Cleveland Clinic "Facts and Figures, 2013"

An enterprise-wide eHealth services program that is presently changing the paradigm of medical practice by applying Health IT solutions to improve patient care, enhance operational and administrative efficiency, reach out to patients and community physicians, and create new knowledge through ongoing research and education initiatives.





MyPractice Electronic Medical Record

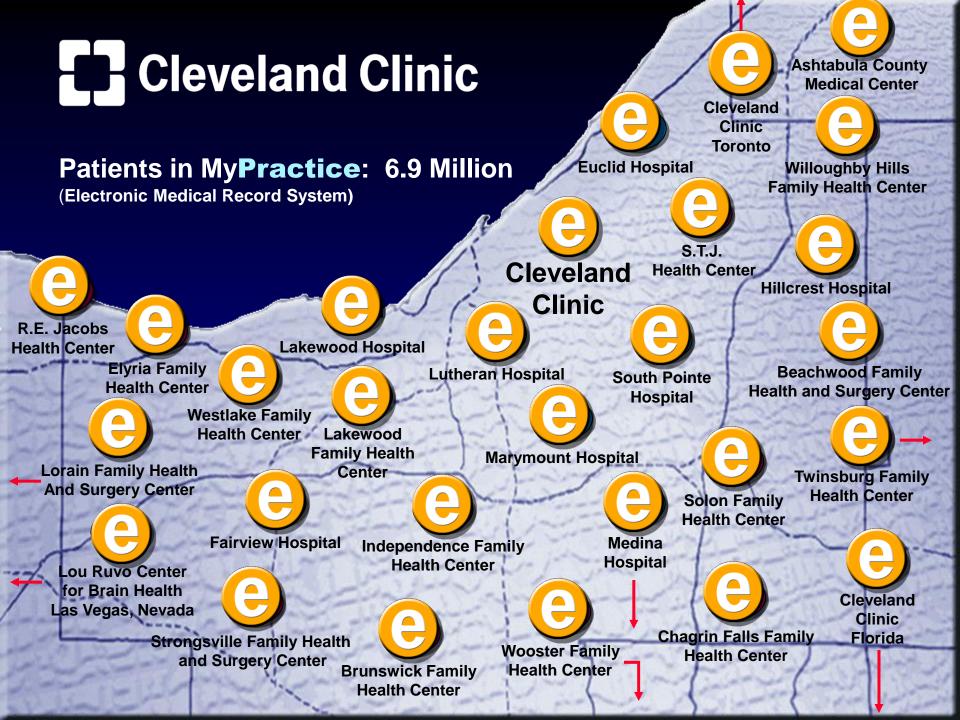


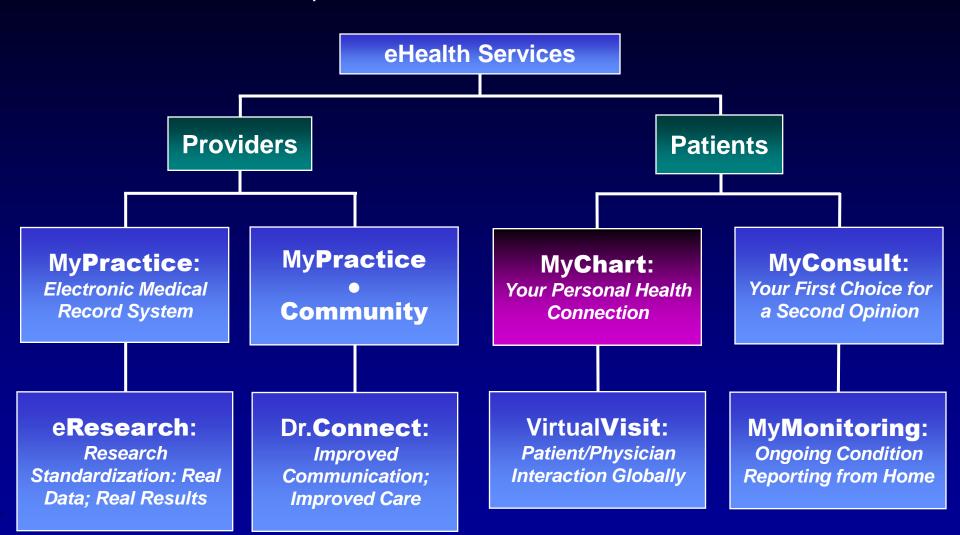
MyPractice Electronic Medical Record Ambulatory Functionality

- Messaging
- Schedule
- Results
- Documentation
- Physician Order Entry
- Best Practice Alerts
- Integrated Image Viewing

MyPractice Electronic Medical Record Inpatient Functionality

- Inpatient Census
- All Results
- Medication Administration Record
- Vital Signs and I&O
- Documentation
- Computerized Provider Order Entry (CPOE)
- Integrated Image Viewing





MyChart

Patient Services

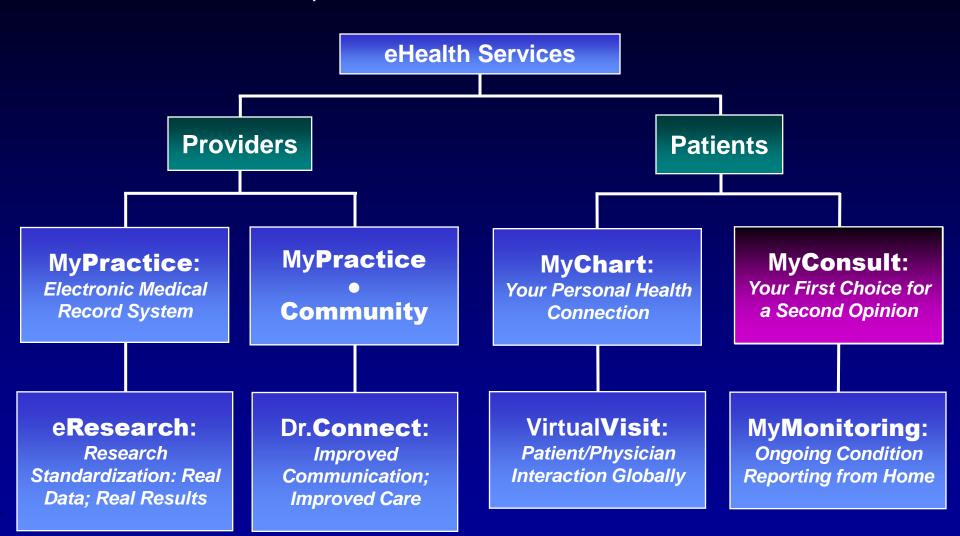
- View medical information
- View health reminders
- View schedule
- Prescription renewal request
- Online appointment scheduling

MyChart

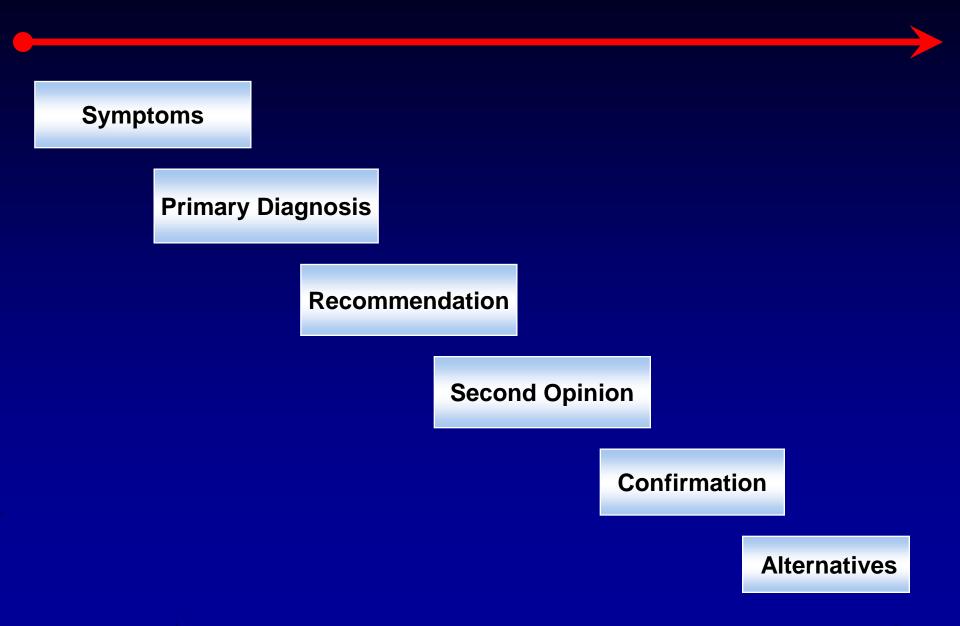
iPhone App:

- Test Results
- Messages
- Appointments
 Future / Past
- Preventive Care
- Health Summary-Meds, Allergies, Problems, Immunizations





Health Care Process



MyConsult[®] Your First Choice For a Second Opinion[®]

How do I request an Online Medical Second Opinion?



To request an online second opinion from Cleveland Clinic, your first step will include registering registering to use our secure site. Once you have established your user name and password (your secure account), you can access Cleveland Clinic's online second opinion service from any computer with Internet access. You may make a request on behalf of someone else if you have the patient's permission, however, the patient will need to complete a proxy form and include it in the package that is sent to Cleveland Clinic. We will also request a consent or proxy form from the patient which will enable our Cleveland Clinic physician to render your second opinion.

If this service is being provided by your employer as a part of your benefits package, you may need to contact your human resources department for additional information or instruction about the benefit as it applies to you or your beneficiary.

Once you are logged in, you will be in a secure Web environment which means any information you send to us can only be read by you and Cleveland Clinic. (See our privacy policy for more information.)

There are seven steps in the process of requesting a second opinion. We anticipate the steps will take you about 30-45 minutes to complete. A helpful hint that we recommend:

- Have your medical records or those of your loved one on hand as you fill out the medical history questionnaire portion of the online process.
- The medical history questionnaire is detailed so having medical records to quickly reference will help make the process more efficient.

Below is a brief description of the information being requested in each step of the online process:

Step 1— Requestor Information

This initial step only applies if the individual requesting the online second opinion is someone other than the patient that needs the second opinion. We ask the requestor basic information such as name, address, date of birth etc... If you are the actual patient requesting the second opinion, you can skip to step 2.

Step 2—Patient Information

In this step we ask for information about the patient which includes name, address, date of birth, etc.

Step 3— Diagnosis or Problem

In this step, we will need to know the diagnosis the patient was given on his or her first

Cleveland Clinic Home Page

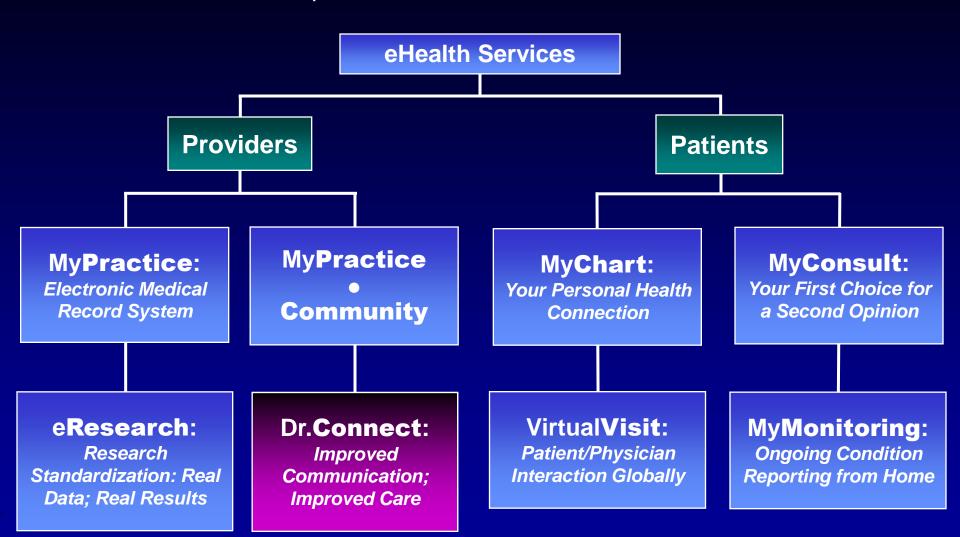
Cleveland Clinic Health Information Notice of F

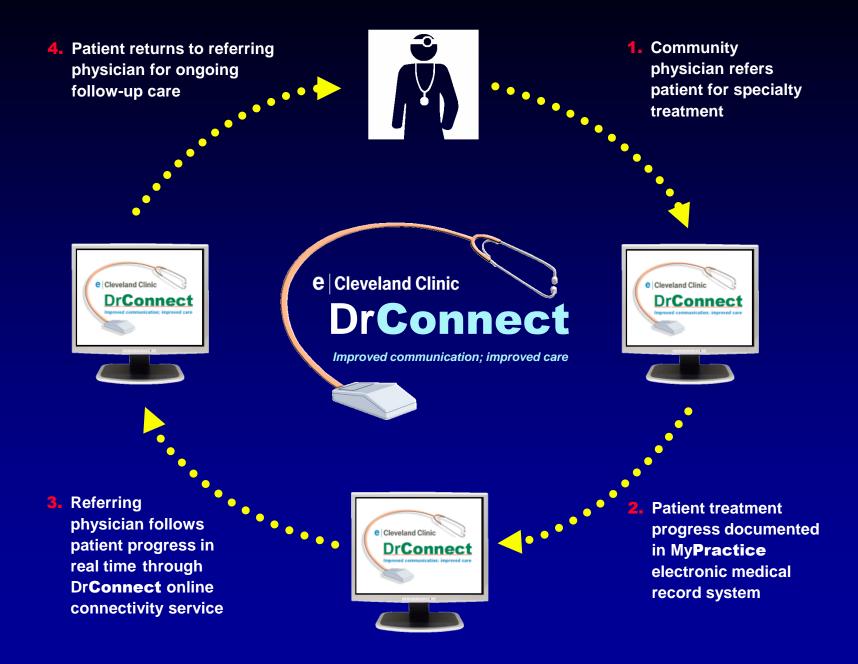
Notice of Privacy Practices Terms and Conditions of Use

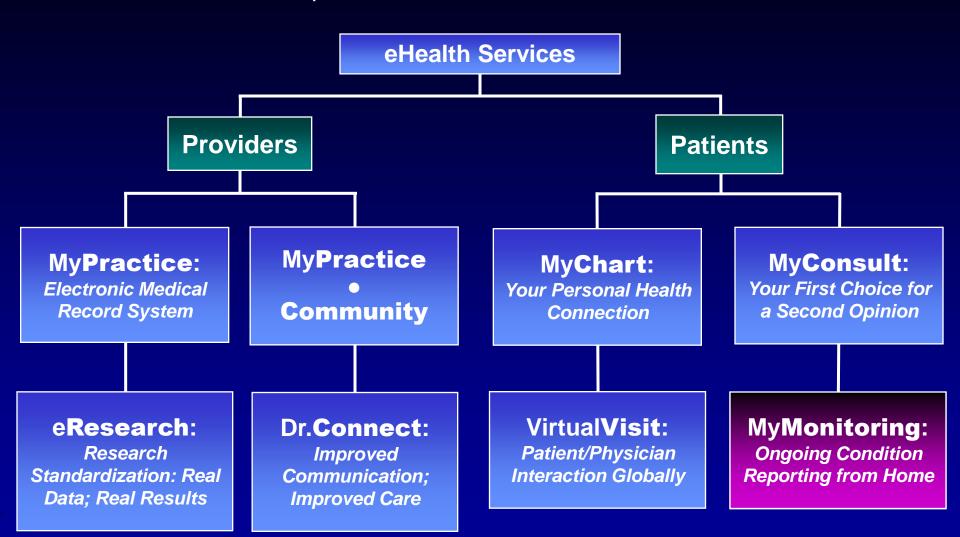
Security and Patient Confidentiality Statement

Contact the MyConsult Office

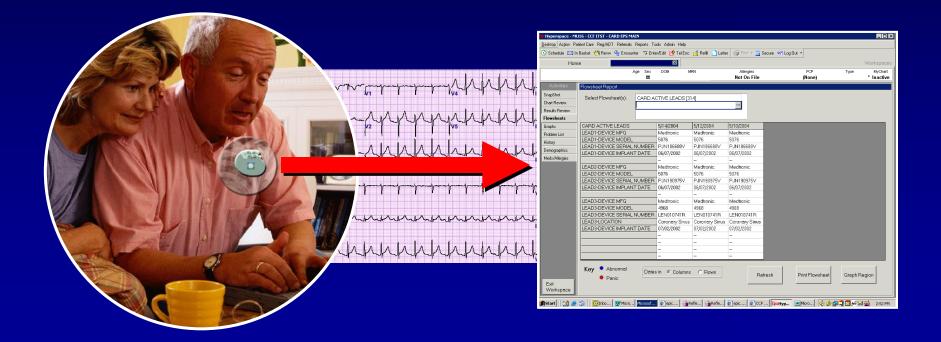
Online Customer Support

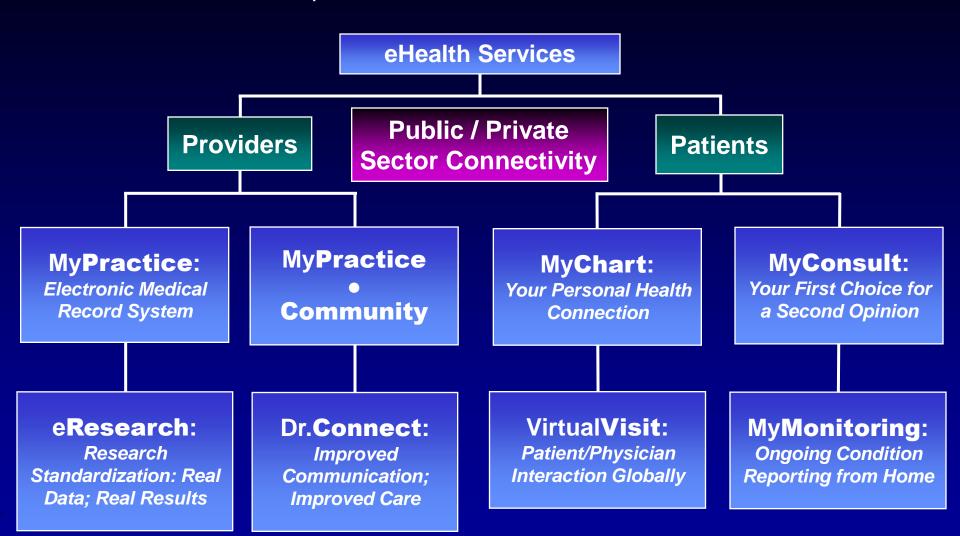






e Cleveland Clinic My Monitoring





Associated Press

Cleveland Clinic Pilots Microsoft HealthVault

CLEVELAND, Nov. 10, 2008 / PRNewswire via COMTEX / — Cleveland Clinic, a World-class academic medical institution and leader in health information technology, today announced collaboration with Microsoft Corp., a worldwide leader in software, to pilot the patient-controlled data exchange between Microsoft[®] HealthVault[™], a Web-based personal health platform; a suite of widely-used digital medical devices; and e Cleveland Clinic My**Chart**[®], Cleveland Clinic's electronic personal health record (PHR) system.

Today, more than 150,000 Cleveland Clinic patients use eCleveland Clinic My**Chart**[®]. The short-term pilot, begun on Monday, Nov. 3, is the first pilot in the country to follow multiple diseases in the clinical delivery setting using multiple at-home devices such as glucometers, heart rate monitors, weight scales and blood pressure monitors.

True Value of Health Data Exchange to Cleveland Clinic Patients



Patient transfers data from all physicians, hospitals, retail pharmacies, commercial laboratories and digital devices.



Home Devices



Physicians



Hospitals





Retail Pharmacies Com. Laboratories

What eHealth Services Offer the Contemporary Healthcare Consumer

• A transition from a provider-driven to a consumerdriven model of healthcare delivery.

- Empowered patients with enhanced and convenient access to personalized and reliable health-related information.
- A whole new way of requesting and receiving a variety of health-related services anytime, anywhere.

Every life deserves world class care.