

A brief overview of the  
Northeast Indiana  
Medical Web



## History – the opportunity



- Early 90's - Community Health Information Networks
- Initiated by provider or insurers
- Competing providers or insurers did not cooperate, dysfunctional structures

## The Fort Wayne Market--founding

- Existing networks were little more than enterprise networks
- Each health system was spending duplicate funds on infrastructure
- No universal access (physicians, labs, insurance companies, specialists, rad, etc)
- Inadequate experience to effectively manage their growth
- Competition: Not services based (heavy-handed approaches)

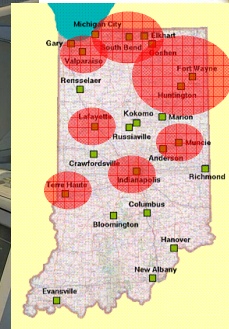
## The Medical Web Whitepaper (1995)

- Identifies healthcare as an intrinsically regional business
- Discusses many healthcare inefficiencies that can be solved using technology
- Specifies that a local infrastructure must be constructed connecting the all community players
- Called for independent direction of a physical network in the community
- Outlined use of web-based tools to share information across multiple platforms

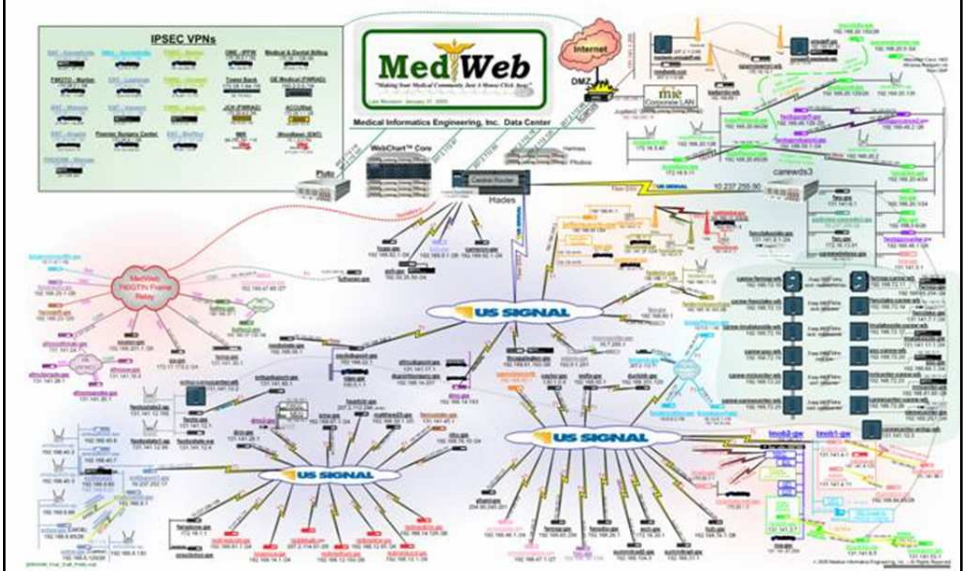


# MIE Networking Background

- Formed a Competitive Local Exchange Carrier (CLEC) in Indiana -- MIE Telecom
- Established Backbone throughout Northern Indiana and NW Ohio
- Consisting of Dedicated digital lines: Frame-Relay, ADSL, T1
- Utilizing Telecom deregulation from 1996



# Northeast Indiana Medical Web



MedWeb Portal - Microsoft Internet Explorer  
 Address: http://medwebportal.com/

# Med Web

mie

Google Yahoo! wordIQ

### MedNews Coverage

Lutheran has deployed their new RAD Web Product which will give office and physician home access to Lutheran's radiology images. If you would like to obtain a login from Lutheran, please [click here for login requests](#).

#### Hospital Access

- [Login Requests or Changes](#)
- [Lutheran Hospital](#)
- [Lutheran ImageManager](#)
- [Lutheran RadWeb](#)
- [Lutheran Physician Portal](#)
- [Parkview Hospital](#)
- [Parkview RadWeb](#)
- [St. Joseph Hospital](#)

#### WebChart Access

- [Adams County Memorial Hospital HR](#)
- [Allen County Department of Health](#)
- [Allergy & Asthma Ctr.](#)
- [Dermatology Inc.](#)
- [Dr. Kadambi](#)
- [Dr. Rustad](#)
- [Dr. Thomson](#)
- [Ear, Nose and Throat Associates](#)
- [ENT Specialists](#)
- [F.W. Cardiology](#)
- [F.W. Dermatology](#)
- [F.W. Medical Education](#)
- [F.W. MedCo](#)
- [F.W. Neurology](#)
- [F.W. Radiology](#)
- [F.W. Urology](#)
- [Hose Center](#)

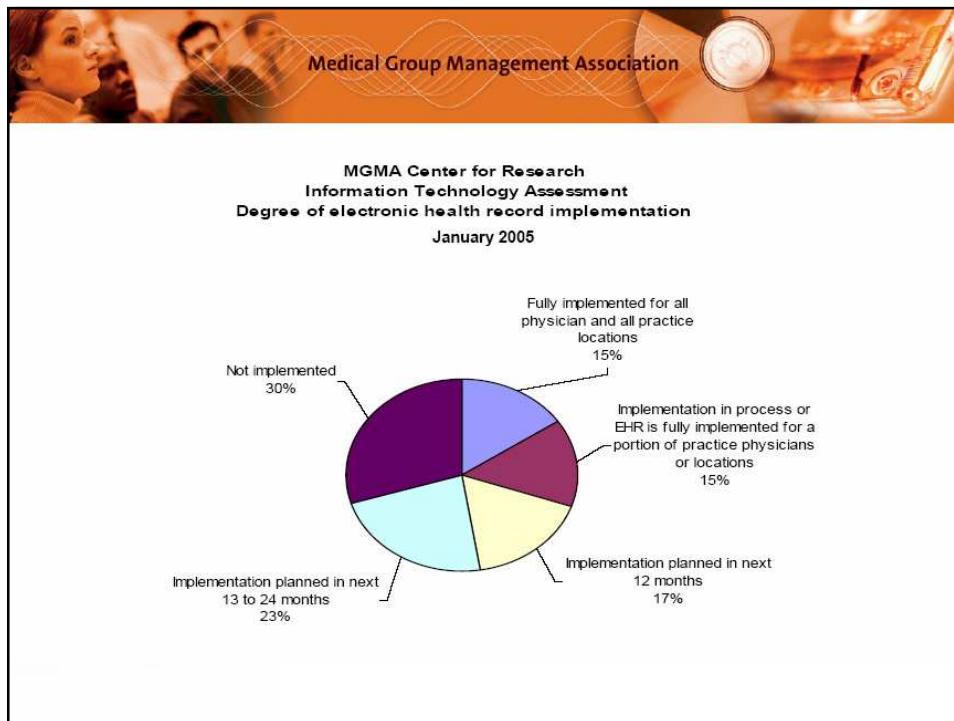
#### PACS Access

- [Adams County Memorial Hospital](#)
- [Cameron Memorial Community Hospital](#)
- [Diagnostic Radiologic Imaging, Inc.](#)
- [Paulding County Hospital](#)
- [PACS Demo](#)
- [Sunview Rehabilitation Hospital](#)

#### WebChart Access

- [Huntington Family Practice](#)
- [IMA Merrillville](#)
- [Indiana Medical Assoc.](#)
- [Indiana Ohio Heart](#)
- [Indiana Surgical Specialists](#)
- [Matthew 26](#)
- [MD Imaging](#)
- [Meridian Health Group](#)
- [Mooresville Endoscopy Center](#)
- [Neighborhood Health Clinic](#)
- [NE OB/GYN](#)
- [Orthopedics NE](#)
- [Premier Surgery Center](#)
- [Regisiter](#)
- [Summit Radiology](#)
- [The Endoscopy Center](#)
- [WebChart Demo](#)
- [WebChart PLUS](#)
- [Women's Health Advantage](#)

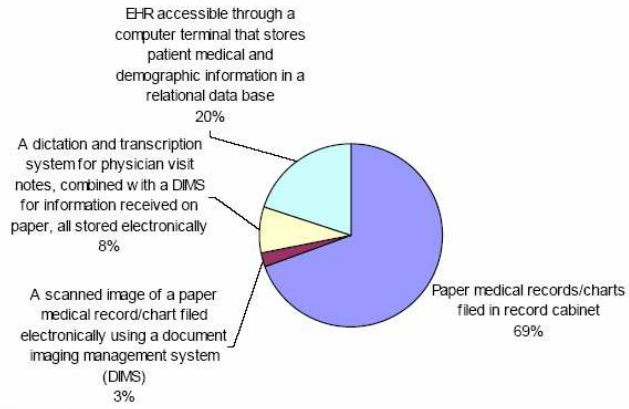
#### General Links





Medical Group Management Association

MGMA Center for Research  
Information Technology Assessment  
Current Health/Medical Records System  
January 2005



## WebChart Development (1998)

A collage of images illustrating medical informatics technology. It includes a hand holding a mobile PDA device, a computer monitor displaying a grid of brain MRI scans, a laptop displaying a software interface, and a medical ultrasound machine. A green ECG line is overlaid on the top of the collage.

(FW Cardiology WebChart) - User: (mic) - Microsoft Internet Explorer

Address: http://fwicwebchart.med-web.com/webchart/webchart.cgi

My Tasks 1 Echo Tasks 16

DATE: 01/19/2004 PHYSICIAN: Schleinkofer, M.D., F.A.C.C., David E. VIS TYPE: Office

Demo | ADC (39) | Ins Forms (29) | E-Orders | Appts (29) | Sum (21) | Trans (54) | Hospital (6) | Encounters | E-Meds (8)

Med Sheet (4) | Sends (6) | Observations (6) | Miscellaneous (8) | Radiology (7) | Lab (15) | DST/EKG (25) | Echo/US/ultrasound (8) | Surgery (1) | CATH/PTCA (5) | Consult-D/S (35) | Nurse Notes (23) | Tasks (2) | Other Diag Tests (2) | Summary | Surgeries

Fort Wayne, IN 46835

**DEVICE, LEAD AND PROGRAMMING INFORMATION**

Loc. Name / Serial	Implanted	Mode	Rate	Rate	Rate	Rate	Rate	Rate	Rate
A: PACEMETER 148BT Serial# NA46857	05/02/2002	Mode	DDDR	Rate	81.0	Rate	740	AV Delay	0
V: MEDTRONIC 8076 CAPS Serial# PJN19113V	05/02/2002	Tracking	140	Rate	100.0	Rate	600	AV Delay	96

**CALL HISTORY**

#	Call Date	Month	Mag. Rate	Mag. Int.	A-V Delay	A-VENT. Width	Sens.	Capt.	Width	Sens.	Capt.	M	0	3	6	9	12	15	18	21	24	
1	11/18/2002	6	100.0	600	97	0.5	Y	Y	0.5	-	Y	100.0										
4	08/18/2003	15	100.0	600	97	0.5	Y	Y	509999f	Y	Y	100.0										
5	11/17/2003	18	100.0	600	96	0.5	Y	Y	509999f	-	Y	100.0										
6	02/16/2004	21	100.0	600	95	0.5	Y	Y	0.5	-	Y	95.0										

**CURRENT CALL**

Presenting cardiomgram Received: 15:44:32 25 mm/sec, 20 mm/mV End

MAGNET MODE

Rate: 100.0  
Interval: 600  
AV Delay: 96

Asynchronous (Magnet-Mode) cardiomgram Received: 15:45:49 25 mm/sec, 20 mm/mV End

Additional cardiomgram Received: 15:46:54 25 mm/sec, 20 mm/mV End

TTM's every 13 weeks.  
Next one on Friday, 09/24/2004 at 08:30 am

Presenting ECG shows atrial tracking at 81 ppm. Normal DDDR pacemaker function. Patient called in because he got shocked by a 110 volt wire as he was hooking up entertainment equipment. He complained of being lightheaded right after the

OmniScope  
E-Chart  
E-Sign  
Task List  
Scheduler  
Intranet  
MIE Portal  
Drug Guide  
Control  
Dictation  
Directory  
Downloads  
Orders  
Reports  
Fax Mgr  
EOB  
Logout

Trans telephonic Arrh Report 03-26-2004

Trans telephonic Arrh Report 02-26-2004

Patient Safety is increased simply because information is there... accessible anywhere.

Hospital  
Ambulance  
Helicopters.

**mie MEDICAL INFORMATICS ENGINEERING**

# Scanner Video

4:52

## Other NE Indiana Initiatives

- **Parkview Research Foundation**

- NIIC Grant
- Second Year



- **IHIE**

- Regenstrief

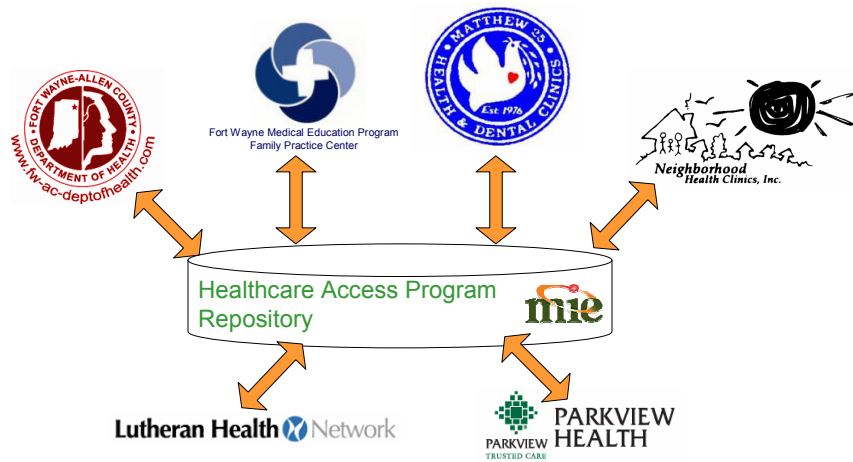


- **St. Joe Foundation** (next slide)

- Healthcare Access Program for the uninsured



## Healthcare Access Program Repository





## Technical Accomplishments

- Northeast Indiana Medical Web:
  - Over 92% of physicians have access
  - around 732,100 monthly HL7 messages
  - about 138,000 monthly diagnostic reports
  - more than 13,180 monthly radiology studies
    - including CR/DR/MRI/CT/MRI/US
  - over 582,000 daily mail messages
  - More than 62% of physicians using computerized medical records
- WebChart
  - More than 53% of the NE Indiana market
  - 12 specialties gone chartless using Webchart
  - National growth over the last 18 months.



## NoMoreClipboard.com

The screenshot shows a web browser window displaying a patient summary page for Douglas Randolph Doe. The page is organized into several sections:

- Family Member Summary:** This is a summary of all of the information in NoMoreClipboard.com for this patient. You may click on a header to edit the information for that section.
- Family Member Summary:** Douglas's Registration Info: Douglas Randolph Doe, 4101 W. Jefferson Blvd, Fort Wayne, IN 46804, (219) 459-9270, Age: 32, Birthdate: 08/23/1973.
- Medical Contacts:** Doctors/Specialists: William Casti (ENT Specialists), Michael Grabowski (Indiana Surgical Specialists), Susan Steffy (Fort Wayne Internal Medicine). Hospitals: None. Pharmacies: None. Appointments: None. Documents: None.
- Insurance:** PHP MANAGEMENT SYSTEMS INC (Held by Self: John Doe Policy #304034043 Group #03403403).
- Medications:** Astelin, Dandelion, Tylenol, Tylenol, Wal-dryl Allergy.
- Allergies:** Amoxicillin (Hives), Havnix (Hives), Lemons.
- Illnesses:** Current: AIDS, Aortic aneurysm, Dacryocystitis, General Discomfort, Hepatitis B, Shortness of Breath. Previous: Sinus arrhythmia (04/15/2005).
- Family History:** Cancer (Mother), Gout (Grandparent), Hypertension (Father).
- Surgery/Procedure History:** CT Scan (05/15/2005, Parview, ).
- Social History:** Cigarettes: 4 packs per Week.