

# *Regional Approaches to HIPAA Compliance*

## *New England Health EDI Network*

*John D. Halamka MD  
Chief Information Officer, CareGroup  
Associate Dean, Harvard Medical School*



- NEHEN Overview and Status
- Administrative Structure and Governance
- Sample Functionality
- Administrative Budget
- Real and Potential Benefits
- Implementation Scenarios and Requirements



# Massachusetts Healthcare Market

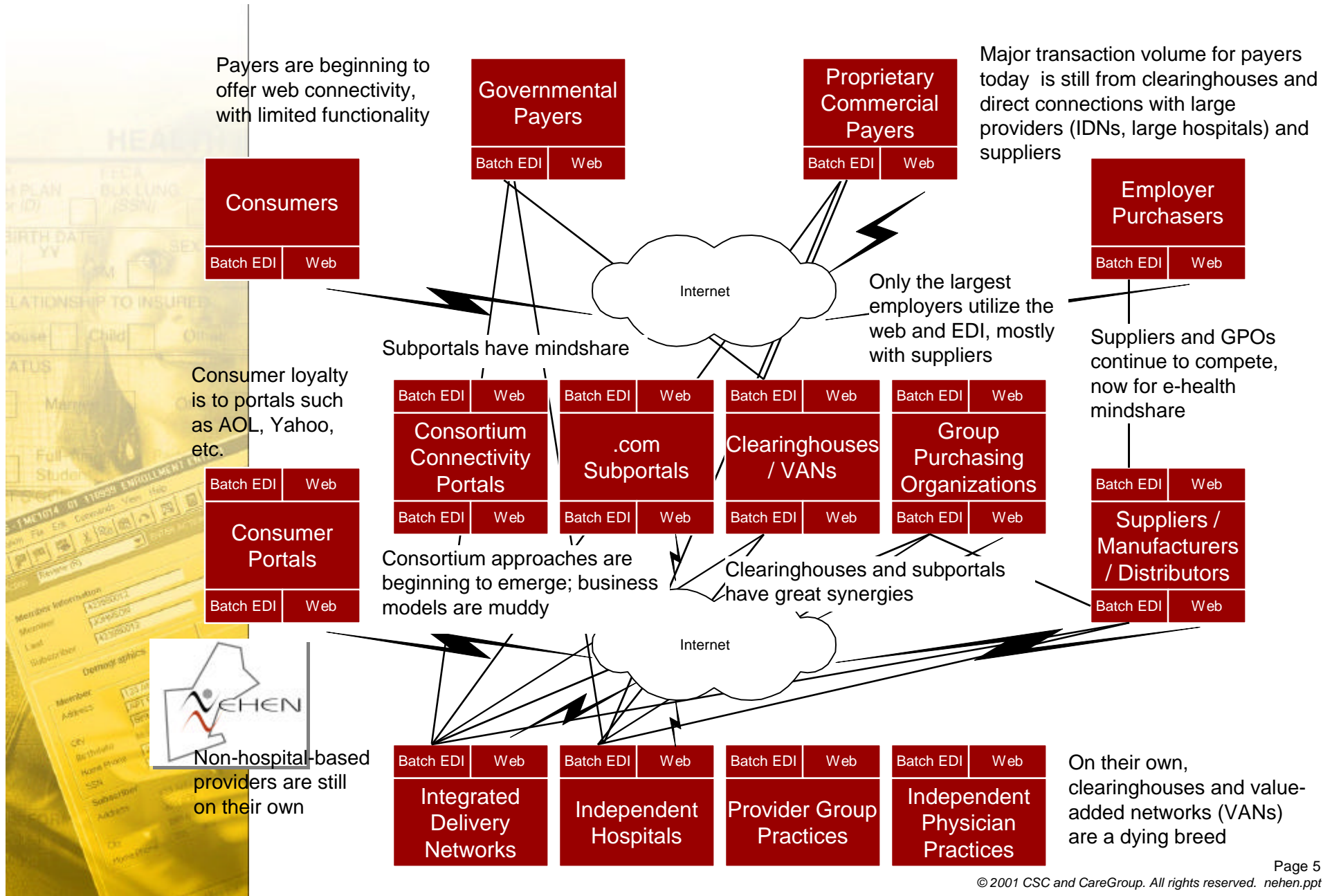
- Top-ranked and world-renowned hospitals and physicians
- Leading managed care market - for better or worse
  - #1, #2 and #3 HMOs in the country
- Limited access to funds
  - Non-profit organizations dominate
- Insular
  - Regional players dominate at the expense of national players
- Expensive
  - Average healthcare premiums are 20% higher than national norms
- Extreme cost pressures
  - At or near the bottom nationally in operating margins (negative)



- Healthcare has traditionally been slow to adopt electronic document interchange (EDI)
  - Lack of inter-enterprise standards
  - Payers offer unique solutions requiring multiple technologies and processes in providers
    - ✓ POS, Dial-up, IVR, paper, phone, etc.
  - Clearinghouse approach is expensive and limited
  - Identification issues abound
    - ✓ Patient, Member, Provider, Payer
  - Limited and weak software vendor support
- Recent changes are resulting in increased adoption
  - IDN scale makes the ROI for bulk EDI more attractive
  - Increased cost pressure - payers and providers are losing money and are motivated to reduce administrative costs
  - Healthcare Insurance Portability and Accountability Act (HIPAA) is providing a catalyst



# As with the Natural World, e-Health tends Toward Chaos





There are many options in the market...



## Our Innovative Approach: NEHEN LLC

- The New England Healthcare EDI Network (NEHEN LLC) is a consortium of payers and providers in Massachusetts.

### Payors with Secondary Connectivity Solutions

- BC/BS of Massachusetts
- Massachusetts Medicaid
- Medicare



### Contract Affiliates



### Additional Members

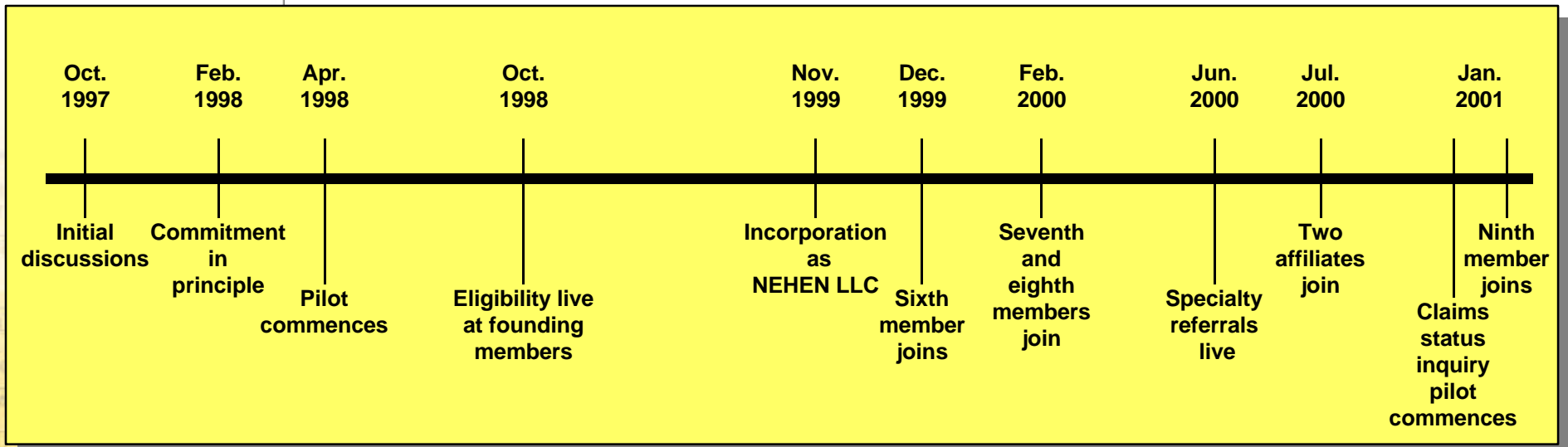


**Children's Hospital  
Boston**



### Current NEHEN Membership

# Brief History and Membership



## Current membership represents:

- 26 Hospitals
- Over 6,300 licensed beds
- Over 2 million covered lives (not including Medicare and Medicaid)

## Expanding membership interest

- 4 integrated delivery networks
- 3 smaller payers
- 8 community / specialty hospitals
- 2 multi-specialty practices
- 3 billing companies
- State agencies and task forces





# Declaration of Interdependence



## Signing Ceremony — NEHEN LLC — October 1999

## Current NEHEN Transactions

Process / Transaction	HPHC	Tufts	BCBSMA	Medicare	Medicaid	NHP
Eligibility Verification	General availability	Complete	At BCBSMA discretion (working on new approach through WebMD / Envoy)	General availability	General availability	7/1/2001
Specialty Referral	8/1/2001	General availability	At BCBSMA discretion (working on new approach through WebMD / Envoy)	NA	NA	Transition from NaviMedix, planning in progress
Claim Status Inquiry	General availability	General availability	May be available through WebMD / Envoy	NA	NA	Planning in progress

# Proposed NEHEN Development Plan

Process / Transaction*	Status	Planning Start Date	Pilot Date	General Availability
Eligibility Verification	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>
Specialty Referral	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>
Claim Status Inquiry	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>	<b>Complete</b>
Referral Authorization	<b>In development</b>	<b>In development</b>	<b>8/1/2001</b>	<b>10/1/2001</b>
Referral Inquiry	<b>In development</b>	<b>In development</b>	<b>8/1/2001</b>	<b>10/1/2001</b>
Electronic Remittance Advice	<b>In discussion (HPHC, Partners)</b>	<b>TBD, likely next transaction</b>	<b>TBD</b>	<b>TBD</b>
Claim Submission - Institutional	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
Claim Submission – Professional	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
Claims Attachment	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
First Report of Injury and Discharge Notice	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
Claim Submission – Dental	<b>No plan to implement at this time</b>	<b>No plan to implement at this time</b>	<b>No plan to implement at this time</b>	<b>No plan to implement at this time</b>

## Internal Approach for Leveraging NEHEN's Value

<b>Educate</b>	<b>Communicate Existing and Potential NEHEN Capabilities to Finance, Operations, and Individual Entities</b>	<ul style="list-style-type: none"> <li>• Group presentations and individual meetings</li> </ul>
<b>Discover</b>	<b>Collect Business Metrics, Process Details, and Additional Detail on Information Systems Capabilities and Requirements</b>	<ul style="list-style-type: none"> <li>• Individual meetings and prepared documentation</li> </ul>
<b>Target</b>	<b>Identify Best Practice Approach, Determine Feasibility, and Define Solution</b>	<ul style="list-style-type: none"> <li>• Facilitated workshops and interviews</li> </ul>
<b>Model</b>	<b>Identify Gaps, Model Return on Investment (ROI), and Establish Improvement Targets</b>	<ul style="list-style-type: none"> <li>• Facilitated workshops, individual meetings, and independent analysis</li> </ul>
<b>Plan</b>	<b>Define and Prioritize Business and Technical Projects and Plan for Process Change Management</b>	<ul style="list-style-type: none"> <li>• Independent analysis and preparation</li> </ul>
<b>Budget</b>	<b>Define and Prioritize Business and Technical Projects and Plan for Process Change Management</b>	<ul style="list-style-type: none"> <li>• Independent analysis and preparation</li> </ul>



- NEHEN has adopted a strict security architecture in response:
  - No central database - all patient-identifiable data is transitory in nature
  - Use of private network rather than the Internet
    - ✓ Recognizes public concerns around security and confidentiality
    - ✓ Security planning takes into account, however, that data may one day be carried over the Internet, or at minimum a public network
  - Signed agreements among participants safeguarding other parties' data



# NEHEN Business Model & Keys to Collaboration

## Common program management

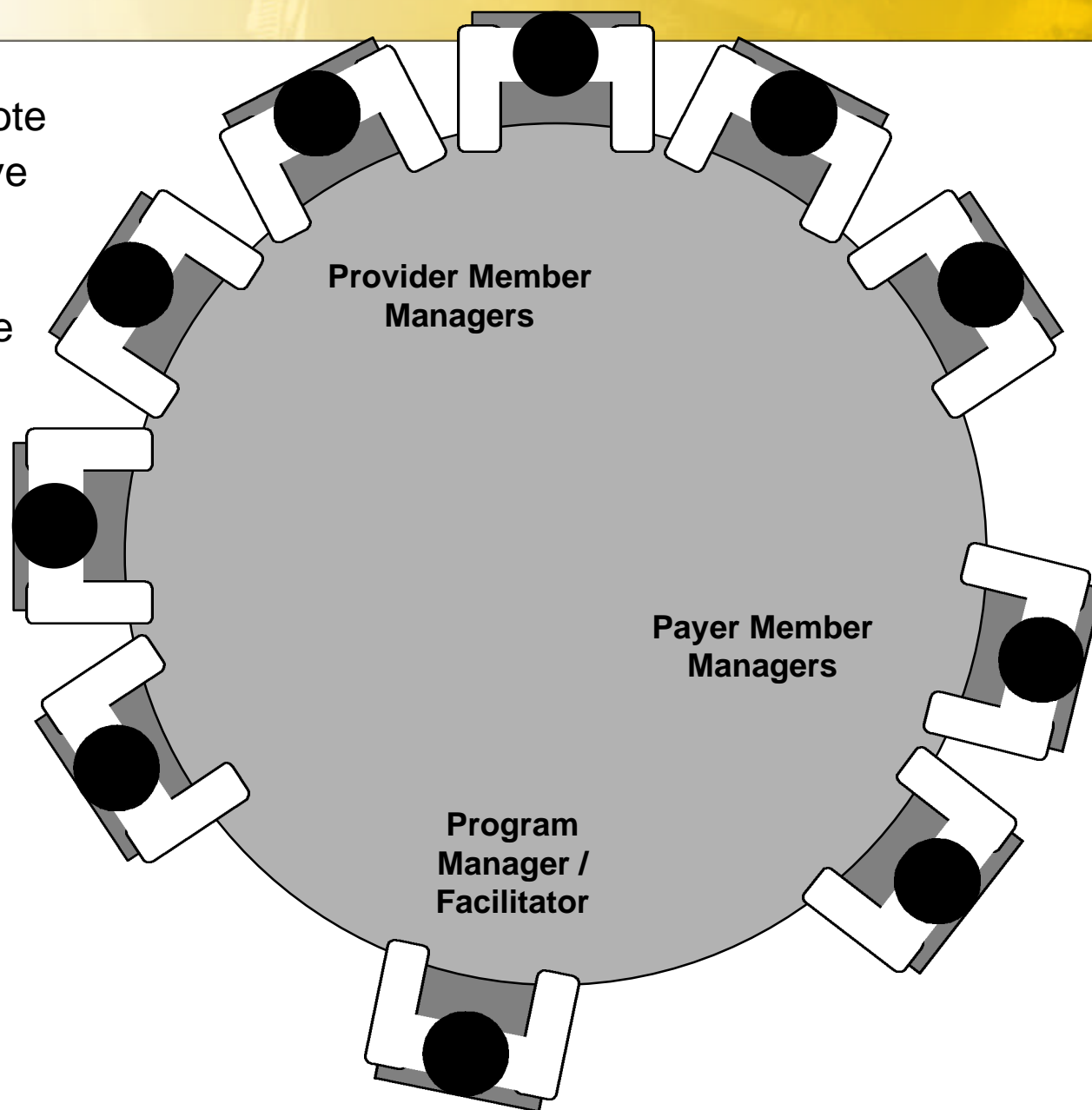
- Create Strategy & Direction
- Organize and support participant meetings and discussions
- Develop and pilot core technology
  - eGateway
  - NEHENLite
- Coordinate implementation plans
- Resolve implementation issues
- Recruit new members
- Provide impetus and momentum - keep the ball moving down the field (AKA “herding cats”)

## Each organization is responsible for:

- Implementation costs
- Network expenses
- Monthly program management fee
- The quality of their data
- Security
- Generating and accepting HIPAA compliant transactions



- One member, one vote
- Some managers have additional responsibilities
- Contract affiliates are not at the table



## NEHEN — Principles & Objectives

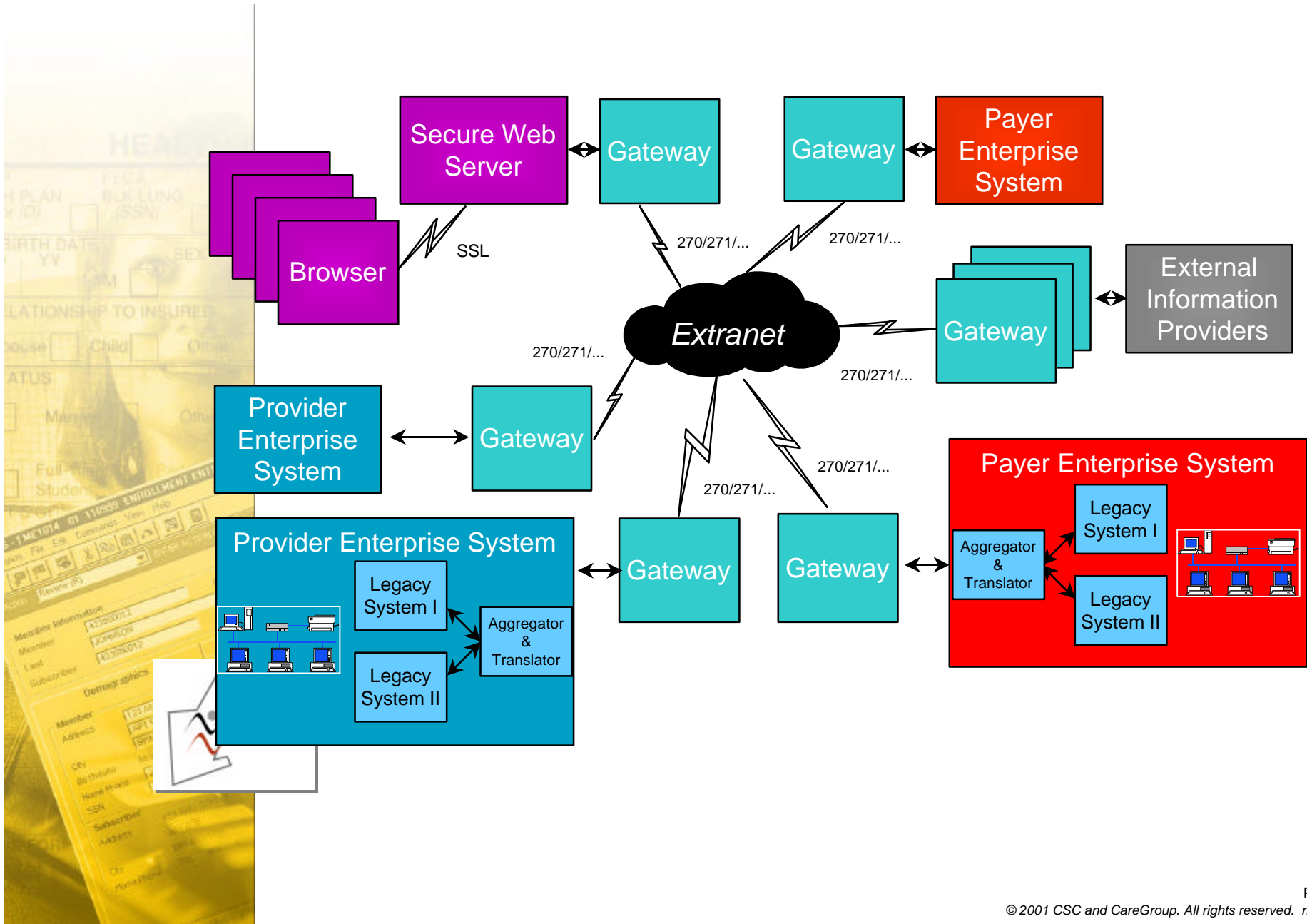
- Principles
  - Open (participants, standards, etc.)
  - Low intrusion into individual participants IT agenda
  - Participant value derived from transactions sent & received
  - Data ownership retained by participant organizations
  - Stay focused to avoid CHIN mistakes
  - Keep it Simple
- Key Objectives
  - Address upcoming HIPAA compliance issues.
  - Reducing bad debts and other financial exposures by improving service efficiencies through EDI
  - Shorten the elapsed time to achieve EDI at scale.
  - Reduce the cost of EDI implementation through coordination and standardization





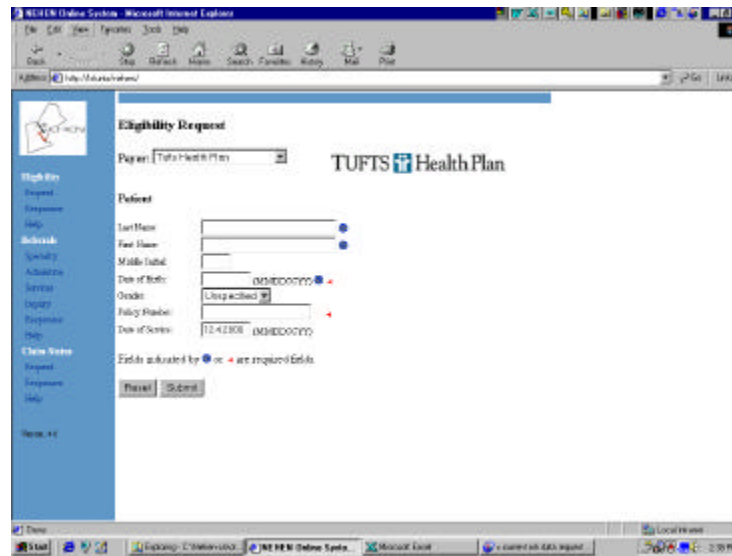
- Gateway
  - Middleware for routing & managing EDI transactions
  - C++ NT multi-threaded Service
  - Transactions (Current 6,000 per day, Tested 20,000)
  - Multiple transport modules supported
    - ✓ Existing: Direct socket, ftp, command
    - ✓ Prototype: XML over HTTP
  - HTML control interface (monitoring)
    - ✓ Configuration, Transaction throughput, Trading Partner status
- Extranet
  - TCP/IP frame-based network
- NEHENLite





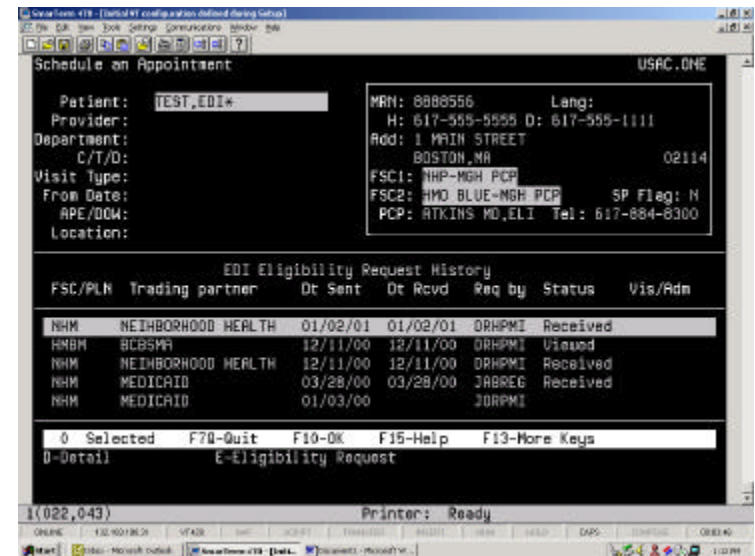
## *NEHEN at Our Institutions*





## Intranet version – NEHENLite

- Use when integrated EDI is unavailable in core system
- Supports ad hoc business processes like collections
- Provides means of acquiring early experience with process change (in parallel with core system integration)
- Extends functionality to outlying practices and business processing areas

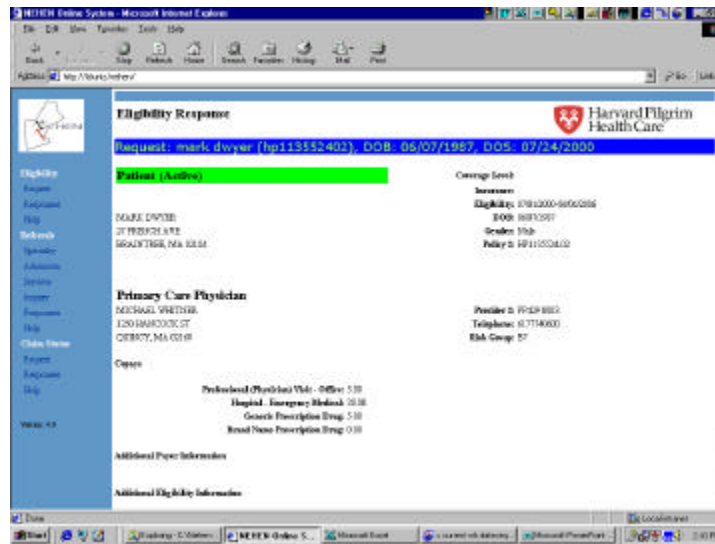


## Integrated version – IDX, Meditech, Eclipsys, others

- Preferred method for workflow improvement in core business processes
- Avoids double-keying / re-keying
- Eases distribution and reduces training requirements for registration clerks, billing clerks, etc.

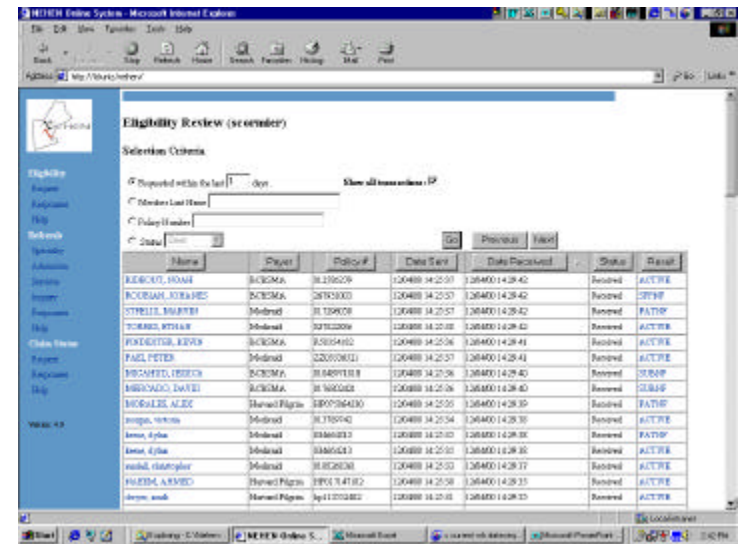






## Interactive submission and review

- Eligibility
  - ✓ At point of registration or scheduling (or both)
- Referral Submission
  - ✓ Complete online form rather than paper form and submit directly to plan
  - ✓ Response usually not required real-time (can be asynchronous)
- Claim Status Inquiry
  - ✓ Efficiency tool for billing and collections



## Batch submission and review

- Eligibility
  - ✓ Submit all appointments scheduled for the next day and “work” the 20-30% of problem cases (patient not found, wrong date of birth, patient inactive, etc.)
  - ✓ Can be used in conjunction with and in addition to real-time request at point of registration or scheduling (i.e., no-cost double-checking)
- Claim Status Inquiry
  - ✓ Submit inquiries for all claims more than 10 days old and review the results




# NEHENLite – Specialty Referral Submission

NEHEN Online System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print

Address http://stuntz/neh/en/



**Specialty Referral**

Payer: Tufts Health Plan

**Eligibility**

Request

Responses

Help

**Referrals**

Specialty

Admission

Services

Inquiry

Responses

Help


**Claim Status**

Request

Responses

Help

Version: 4.0



**Patient**

Policy Number:

Last Name:

First Name:

Date of Birth:  (MMDDCCYY)

Diagnosis:  (ICD-9)

**Referring Provider**

Provider ID:  (Payer)

Last Name:

First Name:

SSN:

**Referred to Provider**

Provider ID:  (Payer)

Last Name:

First Name:

**Authorization**

Service Level: Normal

Date: 12/4/2000 Visits: 1

Service Type: Consultation

Procedure Code:  (CPT-4)

Done

Start | Exploring - C:\Nehen... | NEHEN Online S... | Microsoft Excel | current wh data req... | Microsoft PowerPoint ... | Local intranet | 2:45 PM




NEHEN Online System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print

Address http://stuntz/nehenv/ Go Links >>



**Eligibility**

[Request](#)

[Responses](#)

[Help](#)

**Referrals**

[Specialty](#)

[Admission](#)

[Services](#)

[Inquiry](#)

[Responses](#)

[Help](#)

**Claim Status**

[Request](#)

[Responses](#)

[Help](#)

Version: 4.0

## Claim Status Request


**Payer:**

**Service Provider**

Institution or Last Name:

First Name:

Provider ID:  (Payer)



**Harvard Pilgrim Health Care**

**Patient**

Last Name:

First Name:

Policy Number:

Date of Birth:  (MMDDCCYY)

Gender:

**Claim**

Account Number:

Payer Claim ID:

Dates of Service From:  - To:

Claim Amount:

Fields indicated by  or  are required fields.





CareGroup Net - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address C:\WINDOWS\DESKTOP\Prototype-981108\top.html

**PROVIDER SERVICE NETWORK**  
Affiliated with CAREGROUP

ELIGIBILITY  
[Inquiry](#)

AUTHORIZATIONS  
[Quick Search](#)  
[General Search](#)  
[Request Referral](#)  
[Request Admission](#)  
[Request Service](#)

REPORTING  
[Activity](#)

OTHER  
[Provider Directory](#)  
[Help](#)  
[Logout](#)

Member ID:  Plan: select a plan

Referring PCP: Select One

**Provider Details**

Member ID:

Admission:

Admission:

Admission:

Type of Admission:

Admission Category: Medical

Primary Admission Dx:   Secondary Admission Dx:

Reason for Admission:

Select to route this request to your CareGroup PSN Case Manager:

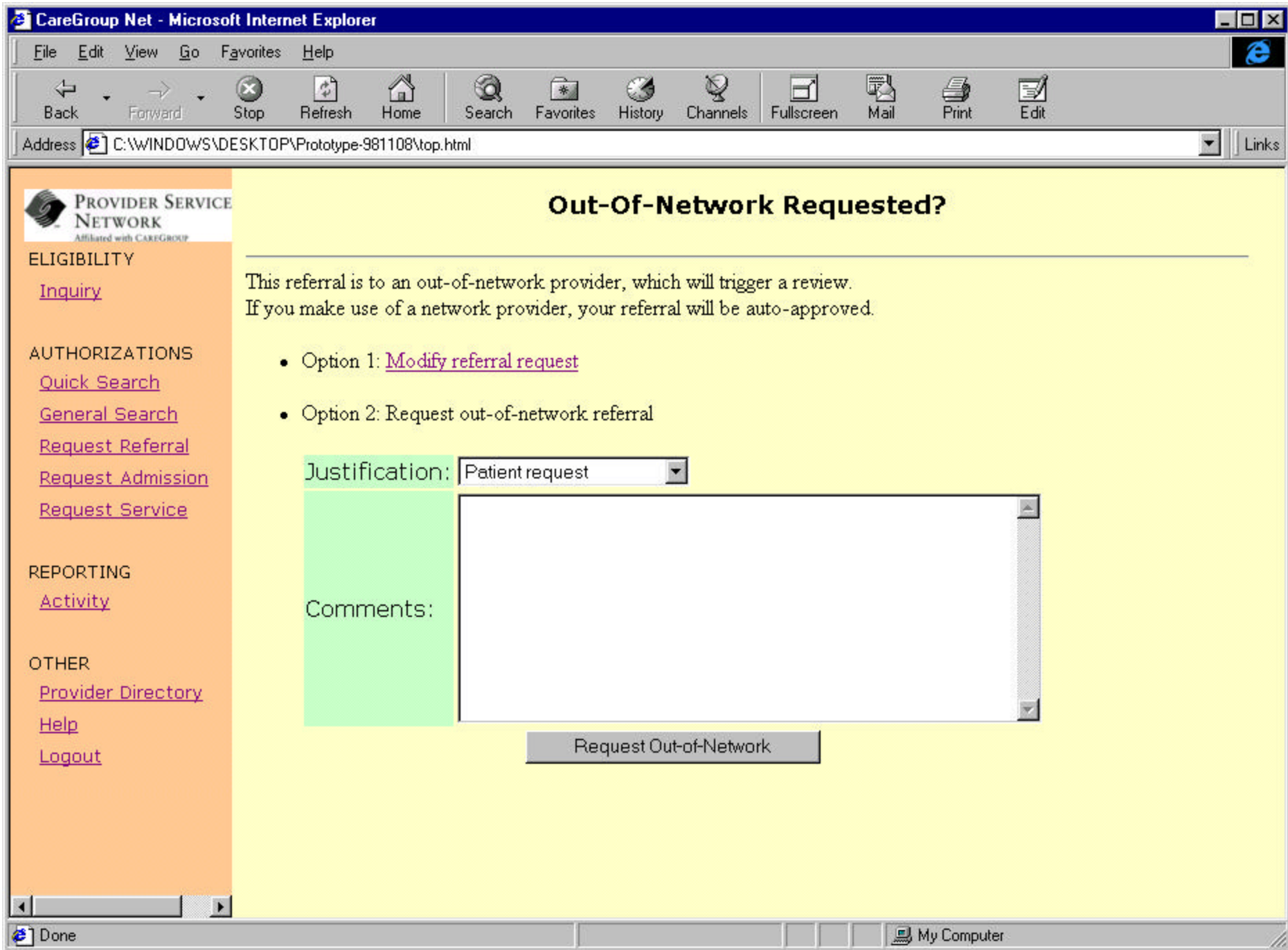
Liability and Recovery: Select One

**ICD9 Search - Microsoft Internet Explorer**

**ICD9 Search**

Search for ICD9 codes about:





## Out-Of-Network Requested?

### ELIGIBILITY

[Inquiry](#)

### AUTHORIZATIONS

[Quick Search](#)

[General Search](#)

[Request Referral](#)

[Request Admission](#)

[Request Service](#)

### REPORTING

[Activity](#)

### OTHER

[Provider Directory](#)

[Help](#)

[Logout](#)

This referral is to an out-of-network provider, which will trigger a review.  
If you make use of a network provider, your referral will be auto-approved.

- Option 1: [Modify referral request](#)
- Option 2: Request out-of-network referral

Justification:

Comments:


Request Out-of-Network

CareGroup Net - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address C:\WINDOW\S\DESKTOP\Prototype-981108\top.html



**PROVIDER SERVICE NETWORK**  
Affiliated with CAREGROUP

**ELIGIBILITY**  
[Inquiry](#)

**AUTHORIZATIONS**  
[Quick Search](#)  
[General Search](#)  
[Request Referral](#)  
[Request Admission](#)  
[Request Service](#)

**REPORTING**  
[Activity](#)

**OTHER**  
[Provider Directory](#)  
[Help](#)  
[Logout](#)

## Temporary Tracking Number **A682432**

---

### Patient Details

Member ID:	0277883612	Plan:	BCBSMA
Name:	Carter, John	Product:	HMO Blue
Referring PCP:	Taussig, Helen	PSN ID:	16351
Risk Unit:	BIDMC		

---

### Provider Details

Refer To Provider:	Woo, John	PSN ID:	12786
Risk Unit:	BIDMC		

---

### Referral Details

Start Date:	10-07-1998		
End Date:	12-31-1998		
Services Requested:	Consult only	Visits:	1
Reason for Referral:	Worsening symptoms over the past 5 days. Patient complaining of severe chest pain and shortness of breath.		

---

### Diagnosis

Primary Diagnosis:	413.1	Description:	Prinzmetal Angina
Secondary Diagnosis:		Description:	

This referral is

Done My Computer



## Welcome to PatientSite



CareGroup HealthCare System implemented PatientSite to give patients the opportunity to communicate with their physicians through the Web. It is secure and free for all CareGroup patients. PatientSite should **NOT** be used for emergencies.

Please enter your Username and Password to login.

If you are not a registered patient of PatientSite, click on "Take a Tour" and see what it has to offer you, or go directly to registration by clicking on "Register Now"!

[Take a Tour](#)

[Register Now!](#)

[Forgot Password?](#)

Username:

Password:

MyHealth

 MyMail

 MyRecord

MyServices

 Search

 MyProfile

MyHealth



Privacy Policy



Help



Sign Out



SM

CareGroup's Personal Health Web Site for  
Ignacio Gende, a patient of Dr. John Halamka

You have 18 messages

### Patient Education

[BIDMC Fact Sheets/Instructions](#)

[BIDMC HealthLinks](#)

[Care! TV Education Channel](#)

[CareNotes Health/Drug Information](#)

[External Health Web Sites](#)

[Learning Center Services](#)

[Pharmacy Locator](#)

[Seminars and Support Groups](#)

### MyLinks

[BIDMC](#)

[general health information](#)



[Check Benefits/Elibility](#) [✕ Exit](#)[? Help](#)[✕ Sign Out](#)

## IGNACIO GENDE: Eligible

Service Date: 9/16/00

### Patient Demographics

Name:	GENDE, IGNACIO	Member ID:	HPCG01648-00
Sex:	M	Date Of Birth:	19651205
Address:	27 NUT RD AUBURN NH 03032		
Start Date	4/1/00	End Date	4/1/01

### Primary Care Provider Info

PCP Name:	CAMPO,RAFAEL	PCP Plan ID:	65095BI 0010
Address:	330 BROOKLINE AVE BOSTON MA 02215		
PCP Phone:	6176672422		

### Benefits


Plan:	HPHC	Product:	
-------	------	----------	--

### Copay Info

Professional (Physician) Visit - Office	\$5.0000/Visit
Hospital - Emergency Medical	\$40.0000/Visit
Generic Prescription Drug	\$10.0000/Visit
Brand Name Prescription Drug	\$0.0000/Visit

Transaction time:2 Seconds

Audit

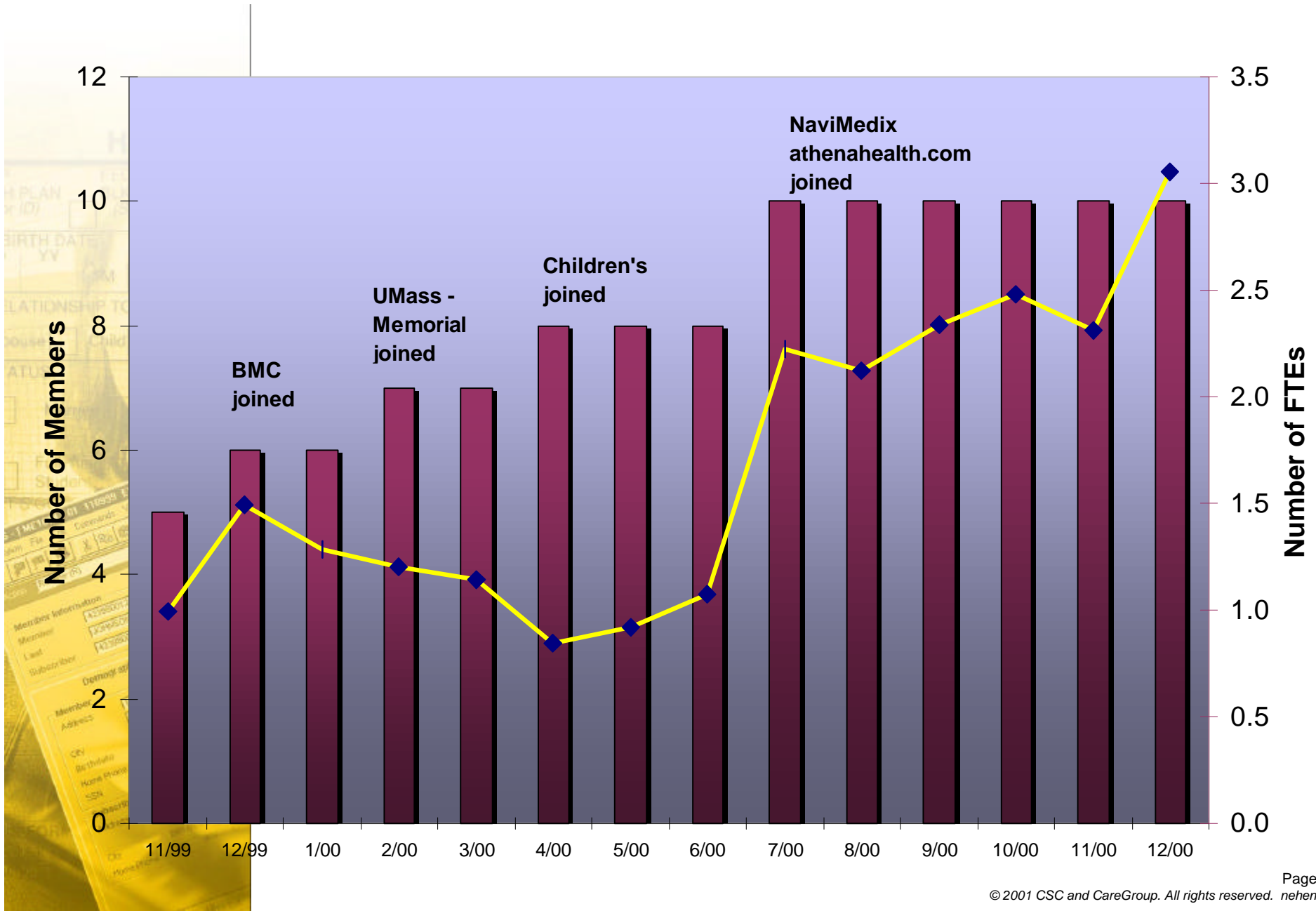
 Exit[Return to List Choices](#) Help Sign Out

Date	Time	Person	Function	Location
9/5/00	5:31:00 PM	Gende, Ignacio	labs	10.150.60.126
9/5/00	5:31:03 PM	Gende, Ignacio	lab_detail	10.150.60.126
9/7/00	4:18:50 PM	Gende, Ignacio	/myhealth.asp	207.16.63.250
9/7/00	4:34:20 PM	Gende, Ignacio	/mailbox.asp	207.16.63.250
9/7/00	4:34:32 PM	Gende, Ignacio	/myrecord.asp	207.16.63.250
9/7/00	4:39:42 PM	Gende, Ignacio	/services.asp	207.16.63.250
9/7/00	4:43:13 PM	Gende, Ignacio	/search.asp	207.16.63.250
9/7/00	4:43:35 PM	Gende, Ignacio	/services.asp	207.16.63.250
9/9/00	10:09:15 AM	Halamka, John	/ccclabs.asp	10.150.60.126
9/9/00	10:09:15 AM	Halamka, John	labs	10.150.60.126
9/9/00	10:11:44 AM	Halamka, John	/ccclabs.asp	10.150.60.126
9/9/00	10:11:44 AM	Halamka, John	labs	10.150.60.126
9/9/00	10:17:30 AM	Halamka, John	/ccclabs.asp	10.150.60.126
9/9/00	10:17:30 AM	Halamka, John	labs	10.150.60.126
9/9/00	10:38:22 AM	Gende, Ignacio	/myhealth.asp	10.150.60.126
9/9/00	10:38:24 AM	Gende, Ignacio	/myrecord.asp	10.150.60.126
9/9/00	10:38:26 AM	Gende, Ignacio	/cccxrays.asp	10.150.60.126
9/9/00	10:38:26 AM	Gende, Ignacio	xrays	10.150.60.126
9/9/00	10:38:32 AM	Gende, Ignacio	/cccxrays.asp	10.150.60.126
9/9/00	10:38:32 AM	Gende, Ignacio	xrays	10.150.60.126
9/9/00	10:42:18 AM	Gende, Ignacio	/cccxrays.asp	10.150.60.126

# *Administrative Budget*



# Program Management Effort (by FTE) & Membership Count





# Scope of Services - How do we spend our time?

■ Recruiting & Contracts 15%
 ■ Planning & Governance 15%

■ Coordinating Professional Services 5%

**Liaison between NEHEN, Nutter, McClennan, Fish and Spector Abbottbb**

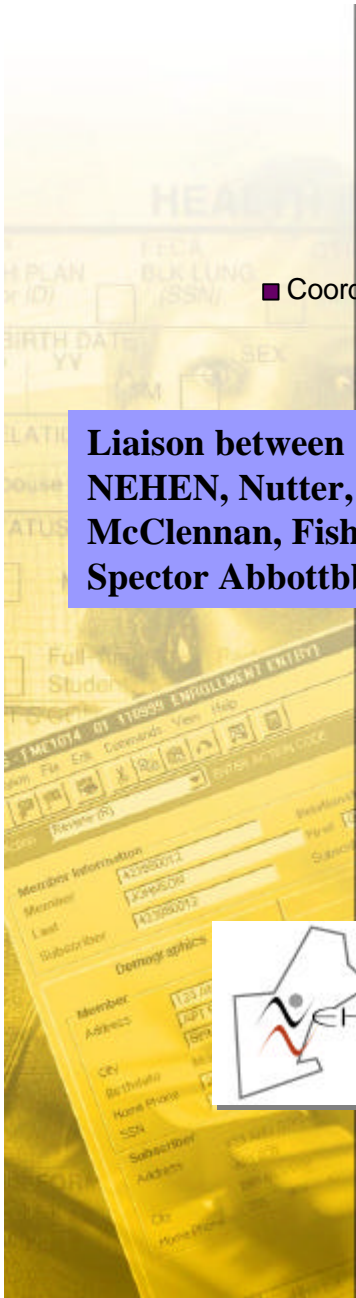
**Managers, Business Users, Implementors, Open Forum (coordination, content development, etc.)**

■ Meetings 25%

■ Technical Services 35%

■ Publicity 5%

- New member setup
- Additional payer connectivity
- Support & development of NEHENLite, eGateway
- Overall IT agenda coordination



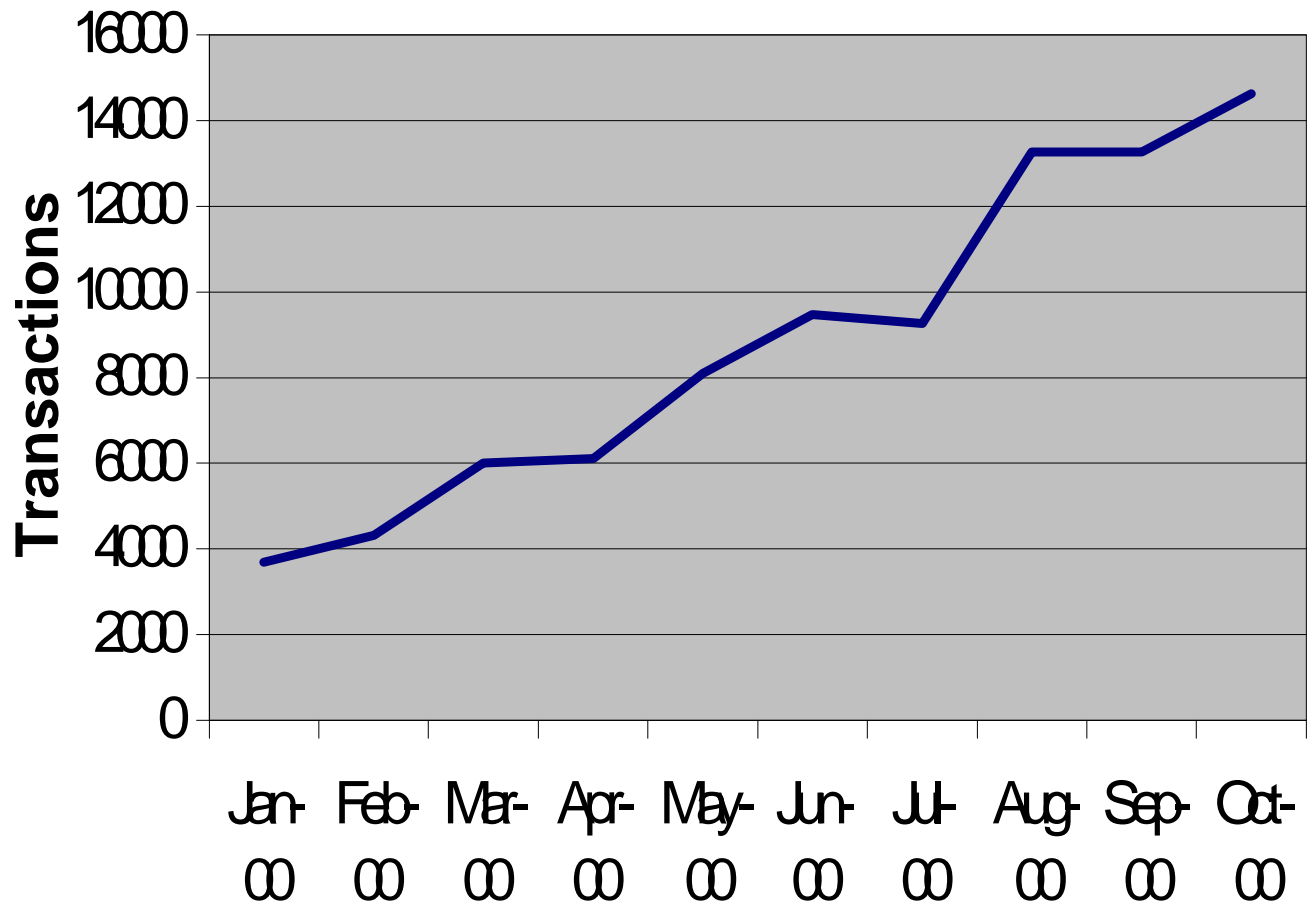
## *Real and Potential Results*



- Service Tracking And Referral System (STARS)
  - 100% of CareGroup PCPs (535)
  - 268 Specialists
  - Real time leakage data
  - Referral Management
    - ✓ 100% of leakage is pended
    - ✓ 100% of therapies after 6 visits is pended



## NEHEN Referrals



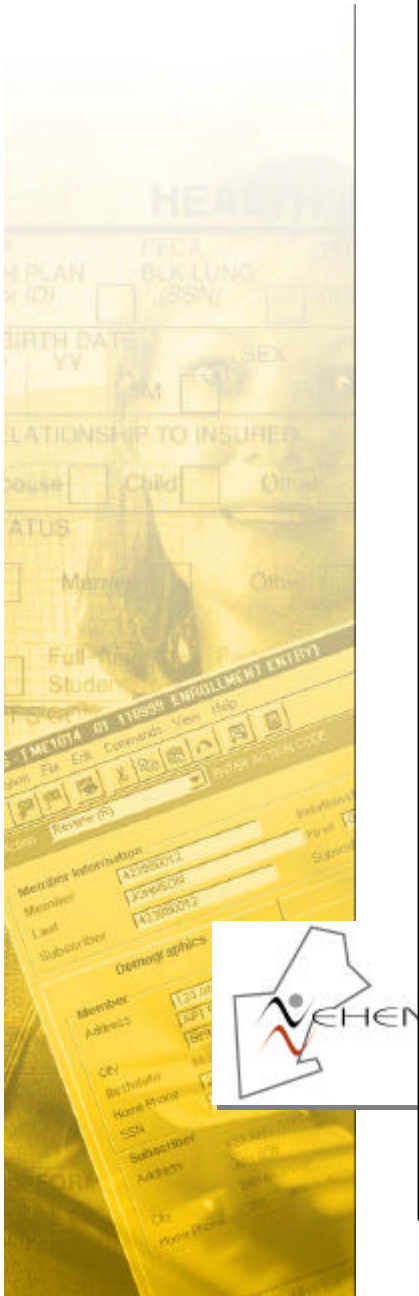
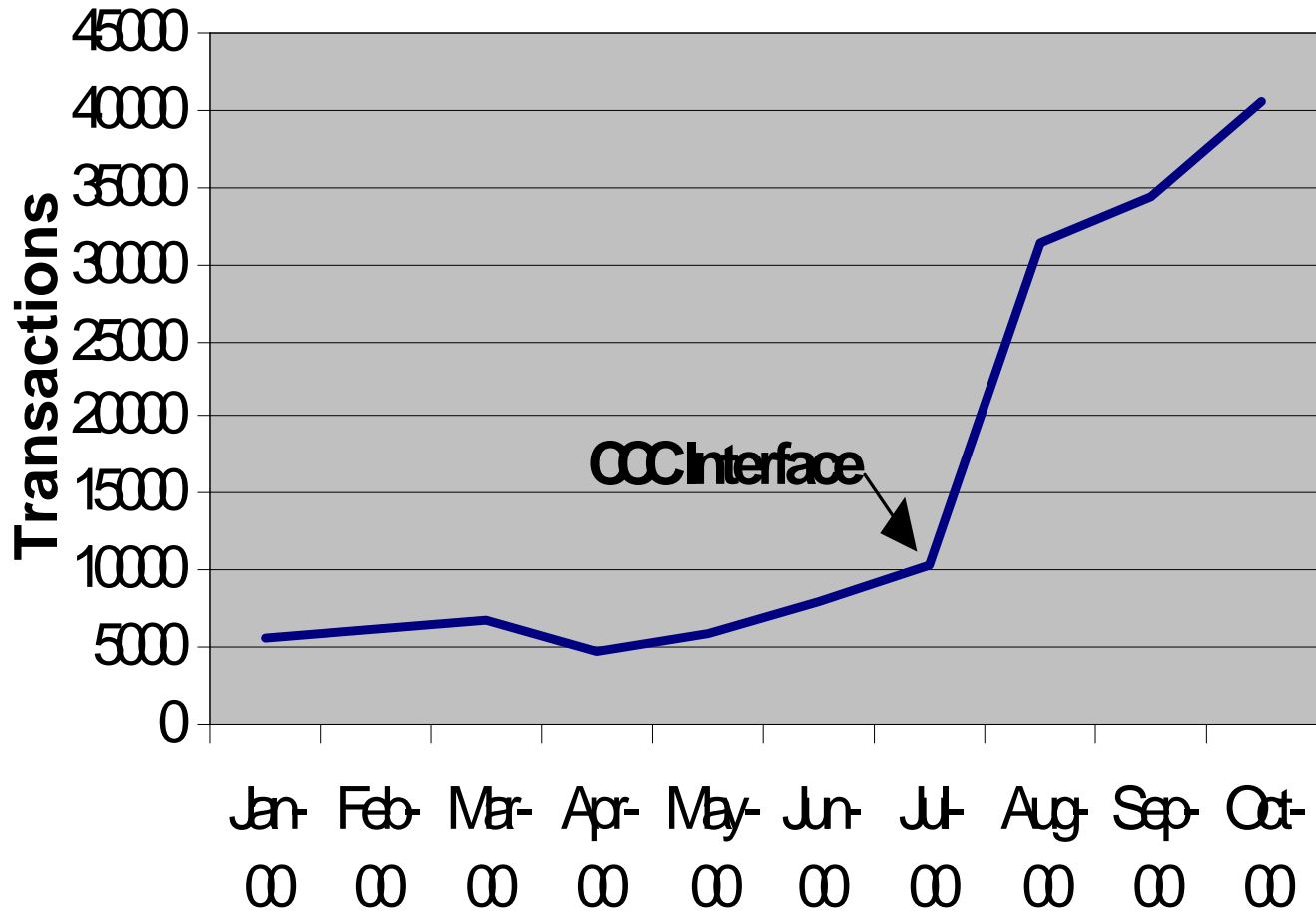


## How have we used NEHEN?

- Web-based eligibility checking
- CCC Integration
- Meditech Integration in October 2001



## NEHEN Benefits Check



## What is the impact?

- STARS – Risk adjusted referrals to specialists compared over two years

	Encounters/1000	\$PMPM
Before STARS	1457	\$8.01
After STARS	1316	\$6.64

- \$6.2 million dollars in savings



- Leakage before and after STARS

BID	20.8%	17.5%
DGL	29.5%	26.2%
DWA	19.6%	12.6%
NEB	20.8%	17.9%
MTA	23%	23%

- \$4 million dollars in savings

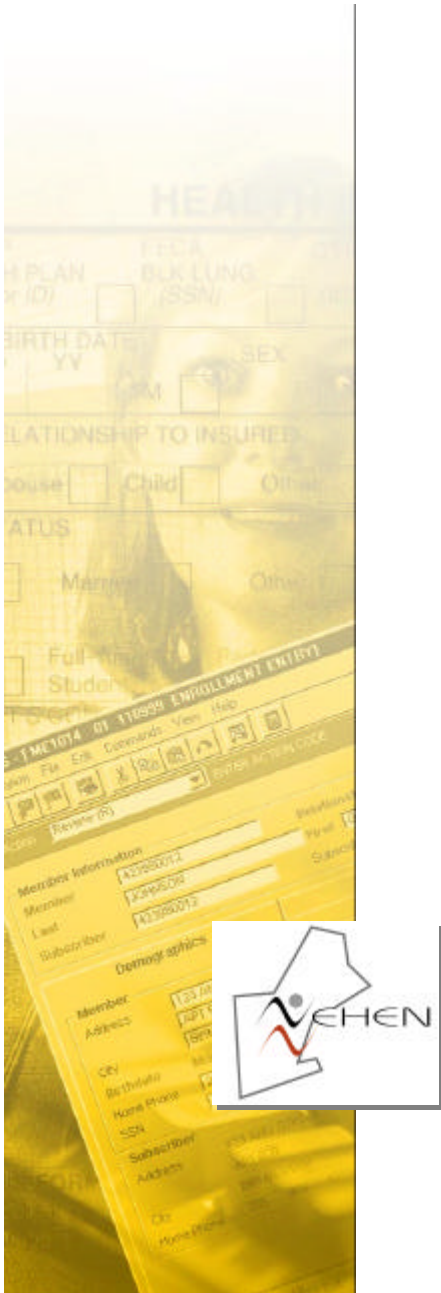




# *Implementation Requirements*



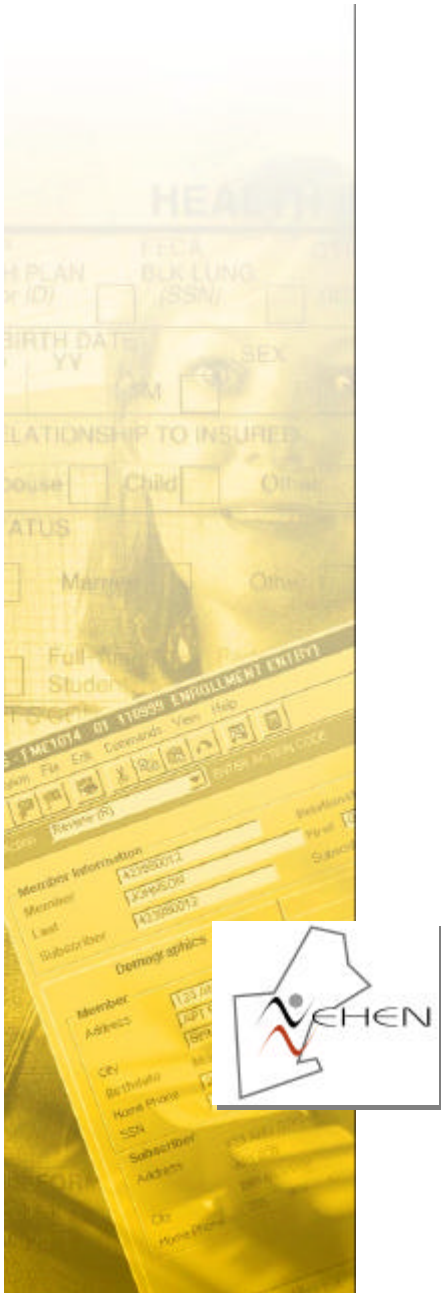
- Build the business case
  - Estimate your opportunity for savings
    - ✓ Data gathering - process, financial, technical
    - ✓ Workshop to develop pro forma ROI
  - Align your organization
    - ✓ Secure high level sponsorship
    - ✓ Process change will be significant
  - Plan for technology integration
- Implement
  - NEHEN membership
  - Acquire infrastructure
  - Integrate with core systems
  - Training and rollout



# Sample Implementation Project Outline

- From Children's Hospital Boston

Activity	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Implement core NEHEN connectivity software	■	■	■							
Implement additional payer connectivity solutions		■	■	■						
Develop core system integration	■	■	■	■						
Site-specific enhancements to NEHEN software			■	■	■					
Conduct System and User Test					■	■				
Training and Rollout for initial site							■	■		
Training and Rollout for additional sites									■	■



## Resource and Capital Requirements

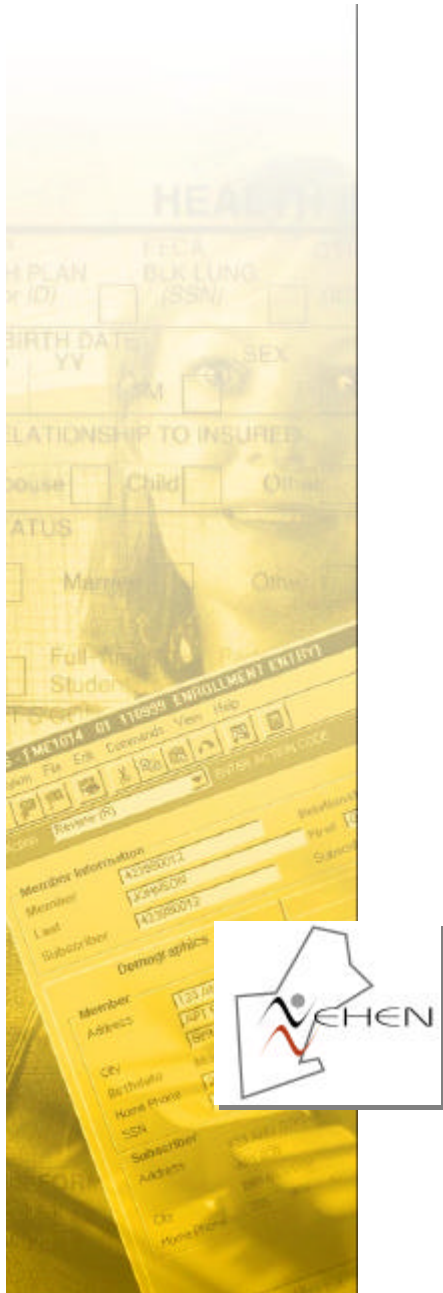
- Small team with healthcare process, revenue management, EDI / e-commerce, and HIPAA expertise
  - Project manager from IS, Finance, or Patient Operations
  - Technical resources - application and networking
  - HIPAA team
- Investment in integration effort
  - Commitment of internal resources
    - ✓ Administrative and project management
    - ✓ Technical
    - ✓ Training
  - External consulting / vendor resources
- Minimal component costs
  - Gateway server
  - Router(s) and other network components
  - Leased line installation
- Ongoing costs
  - Program management fees
  - Minimal support costs





# Sample Implementation Costs: Mid-sized Hospital

		Implementation		2/1/2001
		Estimated Cost		
		Low range	High range	Notes
<b>Initial Investment</b>				
<b>Hardware</b>				
	2 Windows NT Servers - (Production & Test)	\$ 15,000	\$ 40,000	based on current prices for an appropriate Compaq ProLiant DL360 - price is total for both servers.
<b>Software</b>				
	Operating System and Web Server (for test & production)	\$ 3,400	\$ 8,000	\$4000 per copy for Enterprise Edition which you may or may not need, depending on your standard server configuration
	Microsoft SQL Server	\$ 10,000	\$ 30,000	prices range from \$5000 - \$15000 per server if you need a new copy of the database or NEHENLite can run on an existing copy if you have space => These prices are list from Microsoft's web site - you may get better prices through a Open License agreement, if you have one
	Attachmate eVantage SDK 2.5	\$ 1,000	\$ 1,200	Screen scraping software to support the Medicare connection
	Development environment for support use	\$ 500	\$ 1,000	<i>example:</i> MS Visual Studio
	Core Application EDI module	\$ 5,000	\$ 15,000	For full integrated solution with your core application such as: Meditech, IDX
	NEHENLite Software for eligibility, referral, and claim status inquiry request	\$ -	\$ -	free to NEHEN members
	NEHEN eGateway routing Software	\$ -	\$ -	free to NEHEN members
	NEHEN Medicaid eligibility service Software	\$ -	\$ -	free to NEHEN members
	NEHEN Medicare eligibility service Software	\$ -	\$ -	free to NEHEN members
	NEHEN BCBSMA eligibility service Software	\$ -	\$ -	free to NEHEN members
	<b>Total for Hardware &amp; Software</b>	<b>\$ 34,900</b>	<b>\$ 95,200</b>	
<b>Installation</b>				
	NEHEN-supplied Software - installation and initial configuration	\$ -	\$ -	Included as part of NEHEN program management services
	Core application EDI Module - installation and configuration	??	??	Call your application representative
	Optional: Systems Integration services from CSC or another vendor.	\$ -	\$ 100,000	These services could include Project Management, rollout and training, enhancements to the core NEHEN software for your business use, and development of reports to help track compliance and ensure that you receive optimum value from the NEHEN investment.
	<b>Total Initial Investment</b>	<b>\$ 34,900</b>	<b>\$ 195,200</b>	



Ongoing Costs			
<b>Telecommunications</b>			
Connections to payers - frame relay	\$ 270	\$ 750	NEHEN can leverage existing connections to payers if they are there. The Medicaid service can use a modem to reduce cost, but increase response time.
<b>NEHEN Membership</b>			
Program Management	\$ 6,000	\$ 6,000	
Other business expense	\$ 150	\$ 250	Accounting & Legal fees
<b>Total Ongoing Monthly Cost</b>	<b>\$ 6,420</b>	<b>\$ 7,000</b>	
<b>Total Annual Ongoing Cost</b>	<b>\$ 77,040</b>	<b>\$ 84,000</b>	



## NEHEN Summary and Esprit de Corps

- Collaborative
  - Shared development
  - Shared intellectual property
- Standards- based
  - Internet-technologies and HIPAA (ANSI X.12)
- Secure
  - Extranet of private lines connecting the participants
- Cost-saving, rather than revenue-generating business model
  - Zero transaction-based charging
- Integrated with enterprise applications
  - Avoid double-keying
  - Integrate with existing workflows and processes
  - Minimal intrusion into enterprise strategies and architecture
- Insourced model
- NEHENLite alternative
- Non-intrusive



# Questions?

