



# Regional Approaches to HIPAA Compliance

### New England Health EDI Network

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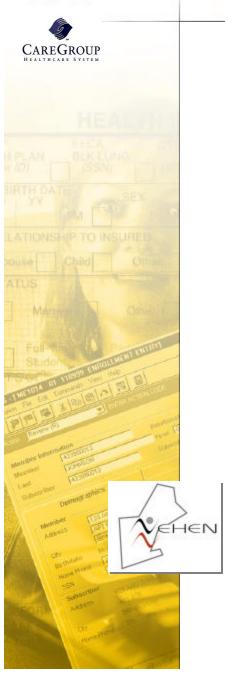
- NEHEN Overview and Status
- Administrative Structure and Governance
- Sample Functionality
- Administrative Budget
- Real and Potential Benefits
- Implementation Scenarios and Requirements



### 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 Major transaction volume for CAREGROUP payers today is still from Payers are beginning clearinghouses and direct **Proprietary** to offer web Governmental connections with large providers Commercial connectivity, with **Payers** (IDNs, large hospitals) and **Payers** limited functionality suppliers Batch EDI Web Batch EDI Web **Employer** Consumers **Purchasers** Batch EDI Web Batch EDI Web Only the largest Internet employers utilize the web and EDI, mostly Suppliers and GPOs Subportals have mindshare with suppliers continue to compete. Consumer now for e-health loyalty is to Batch EDI Web Batch EDI Web Batch EDI Web Batch EDI Web mindshare portals such as Consortium Group AOL, Yahoo, etc. Clearinghouses .com Connectivity Purchasing / VANs Subportals **Portals Organizations** Batch EDI Web Batch EDI Web Batch EDI Batch EDI Web Batch EDI Web Web Batch EDI Web Suppliers / Consumer Manufacturers Consortium approaches are **Portals** Clearinghouses and subportals / Distributors beginning to emerge; business Lhave great synergies Batch EDI Web models are muddy Batch EDI Web Internet HEN Non-hospital-On their own, Batch EDI Web Batch EDI Web Batch EDI Web Batch EDI Web clearinghouses and based providers are Integrated Independent value-added Provider Group Independent

Hospitals

still on their

own

Delivery

**Networks** 

Physician

**Practices** 

**Practices** 

networks (VANs)

are a dying breed





### There are many options in the market...























NEHEN Membership, Oct. 2001

### Our Innovative Approach: NEHEN LLC

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



#### Contract Affiliates



# Non-Member Payers with Secondary Connectivity Solutions

- BC/BS of Massachusetts
- Massachusetts Medicaid
- Medicare

#### Additional Members













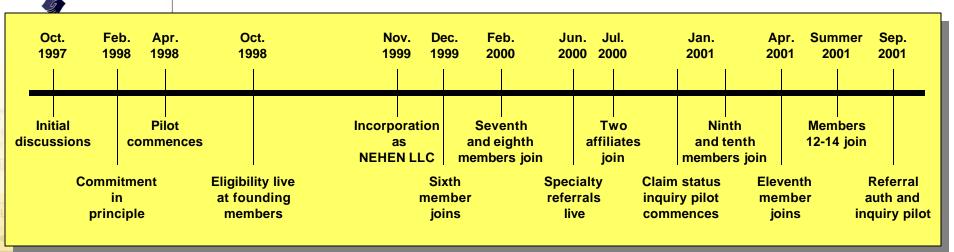








### **NEHEN Update – Brief History and Membership**





- Current membership represents
  - 40 Hospitals
  - Over 7,500 licensed beds
  - Over 5,000 affiliated physicians
  - ~2 million covered lives (not including Medicare and Medicaid)

- Expanding membership interest
  - Additional integrated delivery networks
  - Smaller payers
  - Smaller community/specialty hospitals
  - Multi-specialty practices and their business partners (i.e., third-party billing companies, practice management software vendors)
  - State agencies and task forces



### CAREGROUP HEALTHCARE SYSTEM

### **Declaration of Interdependence**



Signing Ceremony — NEHEN LLC — October 1999







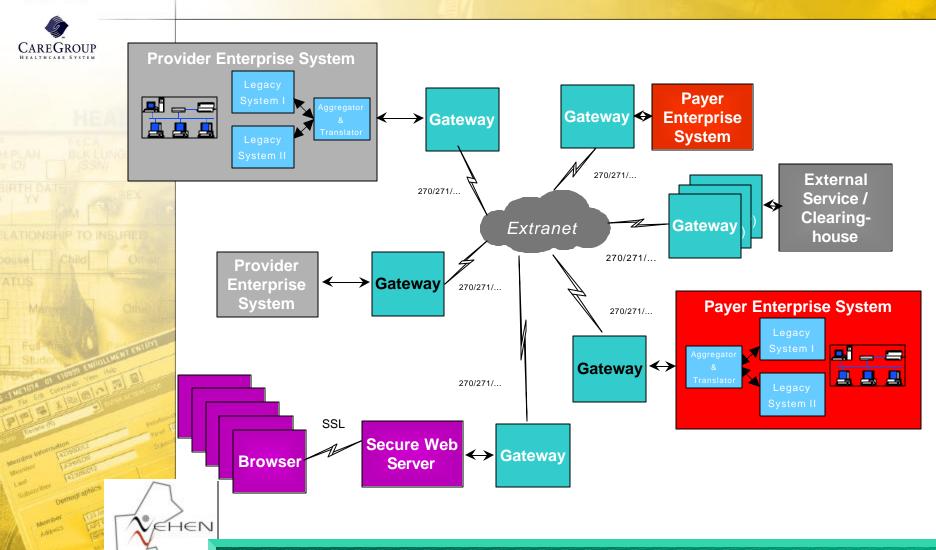
- Middleware for routing & managing EDI transactions
- C++ NT multi-threaded Service
- Transactions (Current 6,000 per day, Tested 20,000)
- Multiple transport modules supported
  - ✓ Existing: Direct socket, ftp, command
  - ✓ Prototype: XML over HTTP
- HTML control interface (monitoring)
  - ✓ Configuration,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

HEN

- TCP/IP frame-based network
- NEHENLite

### CSC

### **NEHEN Architecture**



- There is no central server or database.
- The system does not currently make use of any public network.
- Each member connects directly to each other via private frame-relay connection.





- 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 Development Plan – HIPAA-related**

С	Process / Transaction*	Status	Planning Start Date	Pilot Date	General Availability
	Eligibility Verification	Complete	Complete	Complete	10/98
N.	Specialty Referral	Complete	Complete	Complete	6/1/99
T	Claim Status Inquiry	Complete	Complete	Complete	6/1/00
	Referral Authorization	In pilot	Complete	9/1/2001	11/2001
VT	Referral Inquiry	In pilot	Complete	9/1/2001	11/2001
	Electronic Remittance Advice	Initial discussion	8/1/01	11/1/01	5/02
5	Claim Submission - Institutional	Initial analysis	TBD	2/1/02	5/02
日日日	Claim Submission – Professional	Initial analysis	TBD	2/1/02	5/02
ma	Claims Attachment	TBD	TBD	TBD	TBD
1 80	First Report of Injury and Discharge Notice	TBD	TBD	TBD	TBD
	Claim Submission – Dental	No plan to implement at this time			

<sup>\*</sup> Listed in preliminary order of priority



### **Member Priorities for Remaining Transactions**

Н	Process / Transaction	Potential Benefits	Potential Issues / Comments	Priority
1	Electronic Remittance Advice	<ul> <li>Reduce 3<sup>rd</sup> party transaction fees</li> <li>Reduce labor and non-labor processing costs</li> </ul>	<ul> <li>Payers must be able to generate HIPAA compliant remittances</li> <li>To maximize benefit, providers must integrate remittance into financial systems</li> </ul>	High
	Claim Submission - Institutional	<ul> <li>Reduce 3<sup>rd</sup> party transaction fees</li> <li>Reduce labor and non-labor processing costs</li> </ul>	Providers must be able to generate and payers must be able to receive HIPAA compliant claims	High
	Claim Submission – Professional	<ul> <li>Reduce 3<sup>rd</sup> party transaction fees</li> <li>Reduce labor and non-labor processing costs</li> </ul>	<ul> <li>Payers must be able to receive HIPAA compliant claims</li> <li>Institutional and independent physicians must be able to generate HIPAA compliant claims</li> </ul>	High
THE PROPERTY	Claims Attachment	Reduce labor and non-labor processing costs	<ul><li>Not mandated by HIPAA</li><li>Requires electronic or optically scanned medical record</li></ul>	Medium
8 8	Admission and Discharge Notice  • Reduce labor and non-labor processing costs		Not mandated by HIPAA	Medium
	First Report of Injury	Reduce labor and non-labor processing costs	Not mandated by HIPAA	Low
The same of the same of	Claim Submission – Dental	<ul> <li>Reduce 3<sup>rd</sup> party transaction fees</li> <li>Reduce labor and non-labor processing costs</li> </ul>	Low volume associated with NEHEN members	Low

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## Commercial Payer Plans for Remaining HIPAA Transactions

	Process / Transaction	Payer Pilot / Date	General Availability Date
10	Remittance Advice	HPHC - Nov '01 THP - * NHP - Mar '02	HPHC – Feb '02 THP - * NHP - May '02
A STATE OF THE PARTY OF THE PAR	Claims Submission - Institutional	HPHC – Feb '01 THP - * NHP - Mar '02	HPHC – Apr '02 THP - * NHP - May '02
10000000000000000000000000000000000000	Claims Submission - Professional	HPHC – Feb '01 THP - * NHP - Mar '02	HPHC – Apr '02 THP - * NHP - May '02

<sup>\*</sup> Schedule to be published by Nov '01

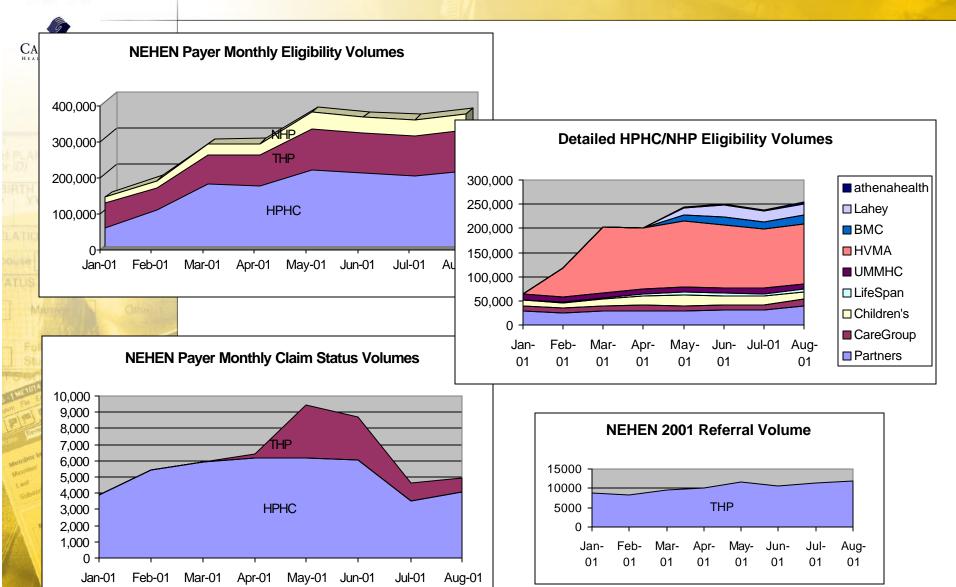


# Claims Submission & Remittance : Implementation Options

Option	Description	Business Implications	Technical Implications	Governance Implications	Cost Implications
1. Translation by Each Member	Each member is responsible for generating and receiving HIPAA compliant claims	Avoid clearinghouse transaction charges	<ul> <li>Members must buy or build HIPAA compliant claims capabilities</li> <li>eGateway upgrade</li> <li>Frame upgrade</li> </ul>	Expand program management to include claims	<ul> <li>Integration and frame cost for each member</li> <li>eGateway ~ 2-2-3 months x 2 FTEs</li> </ul>
2. Translation by NEHEN-Owned and Operated Clearinghouse (Insource)	Providers send claims to central NEHEN-operated clearinghouse where they are translated into HIPAA format and routed to payers	change clearinghouse relationships • NEHEN becomes clearinghouse, subject to privacy and security	<ul> <li>Members submit and receive claims from a newly built central service center</li> <li>Simplify current architecture to centralized model</li> <li>eGateway upgrade</li> <li>Frame upgrade</li> </ul>	Need to determine oversight and pricing structure for members using the service	Build and support centralized service center     eGateway ~ 2-2-3 months x 2 FTEs
3. Translation by NEHEN- Selected Clearinghouse (Outsource)	Providers send claims to NEHEN selected vendor where they are translated into HIPAA format and routed to payers (e.g., Envoy, NDC, MedUnite CSC)	Members must change clearinghouse relationships     NEHEN acts as collective bargainer to lower costs	<ul> <li>Members submit and receive claims from a new, remote entity</li> <li>Simplify current architecture to centralized model</li> <li>eGateway upgrade</li> <li>Frame upgrade</li> </ul>	Need to determine oversight and pricing structure for members using the service	Volume-based cost Gateway ~ 2-2-3 months x 2 FTEs
4. Claims Not Submitted via NEHEN	Continue with non- NEHEN affiliated clearinghouses	Current cost and structure of business	eGateway upgrade for true batch EDI for eligibility, claims status inquiry	• None	Current transaction costs



### **NEHEN Transaction Volumes (2001 YTD)**





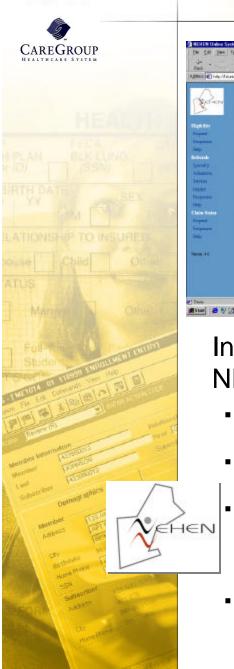


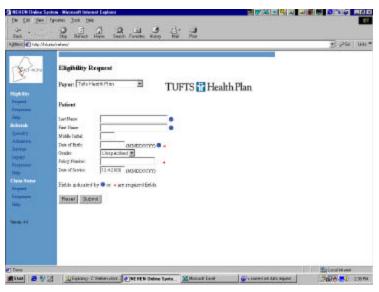
### **NEHEN at Our Institutions**

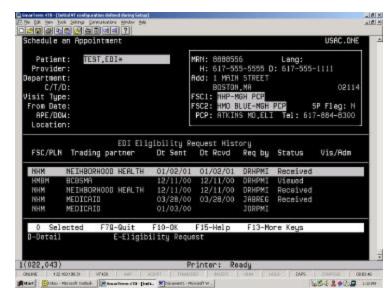




### **NEHENlite and Integrated Options**







### 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

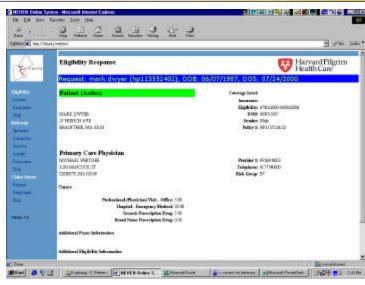
### Integrated version – IDX, Meditech, Eclipsys, others

- 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.



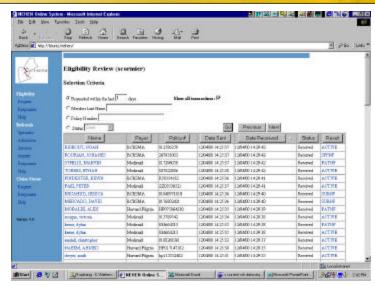
### **Real-Time and Batch Alternatives**





### 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 realtime (can be asynchronous)
- Claim Status Inquiry
  - ✓ Efficiency tool for billing and collections



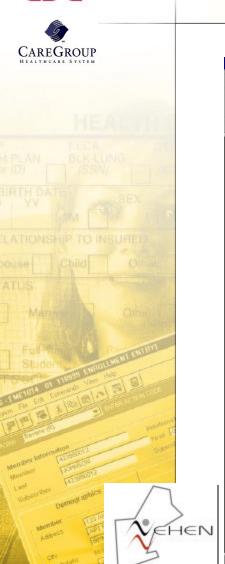
#### Batch submission and review

- 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 © 2001 CSC and CareGroup. All rights reserved. nehen.ppt

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### **NEHENLite – Specialty Referral Submission**

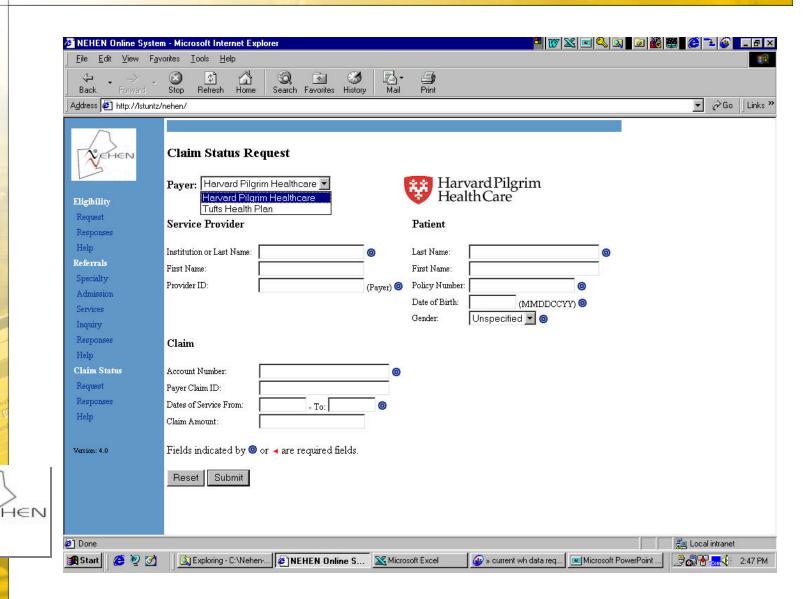


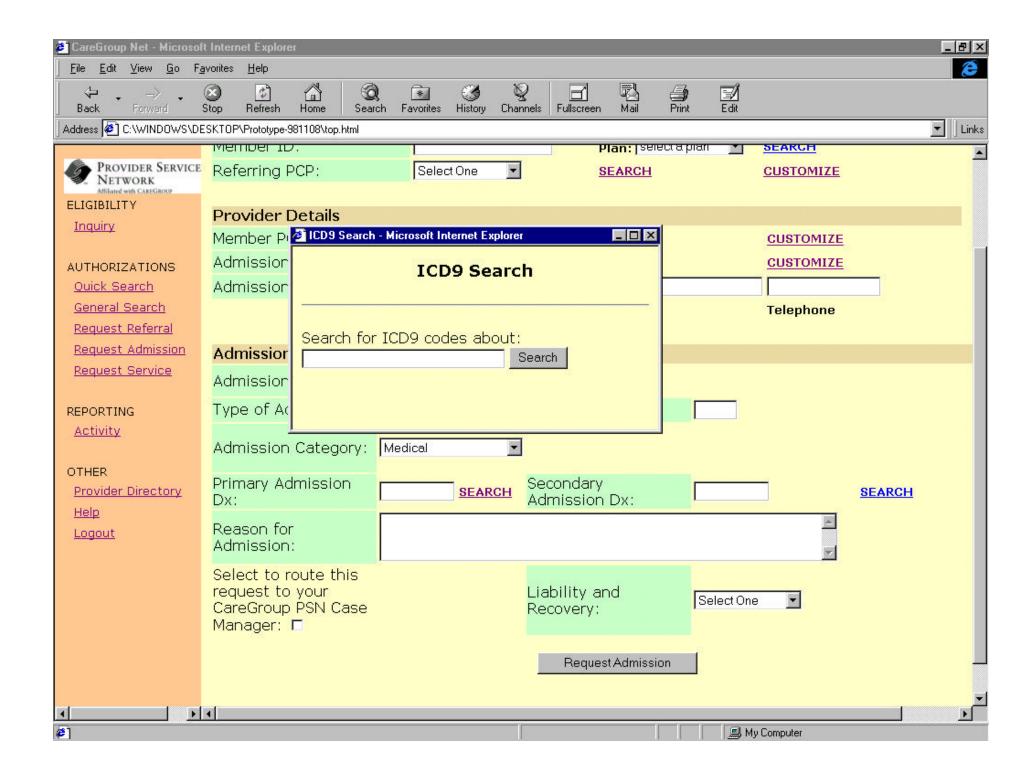
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VEHEN	Specialty Referral	
Eligibility	Payer: Tufts Health Plan TUFTS THealth Plan	
Request Responses	Patient Referring Provider	
Help	Policy Number:       Provider ID:	(Payer) 📵
Referrals	Last Name: Last Name:	
Specialty Admission	First Name: First Name:	
Admission Services	Date of Birth: (MMDDCCYY)  SSN:	
Inquiry	Diagnosis: (ICD-9)	
Responses Help	Referred to Provider Authorization	
Claim Status	Provider ID: (Payer)  Service Level: Normal	
Request	Last Name: Date: 12/4/2000 Visits: 1	
Responses Help	First Name: Service Type: Consultation	₩
Heip	Procedure Code: (CPT	Γ-4)
Version: 4.0	Reset Submit	
Done		Local intranet
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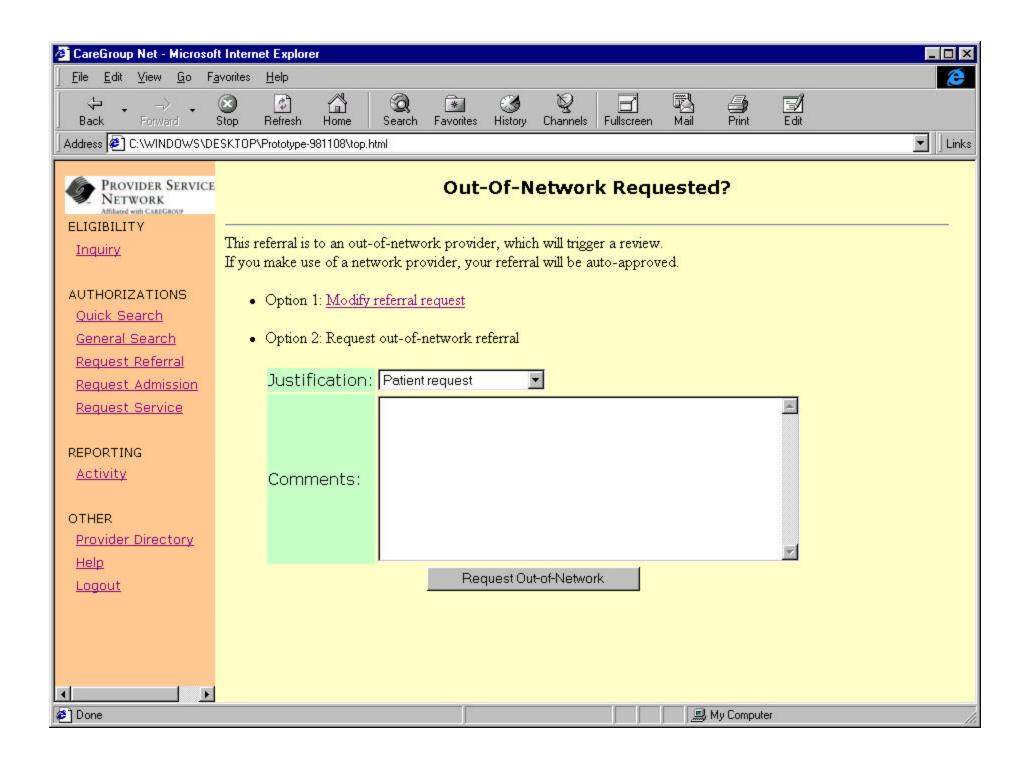


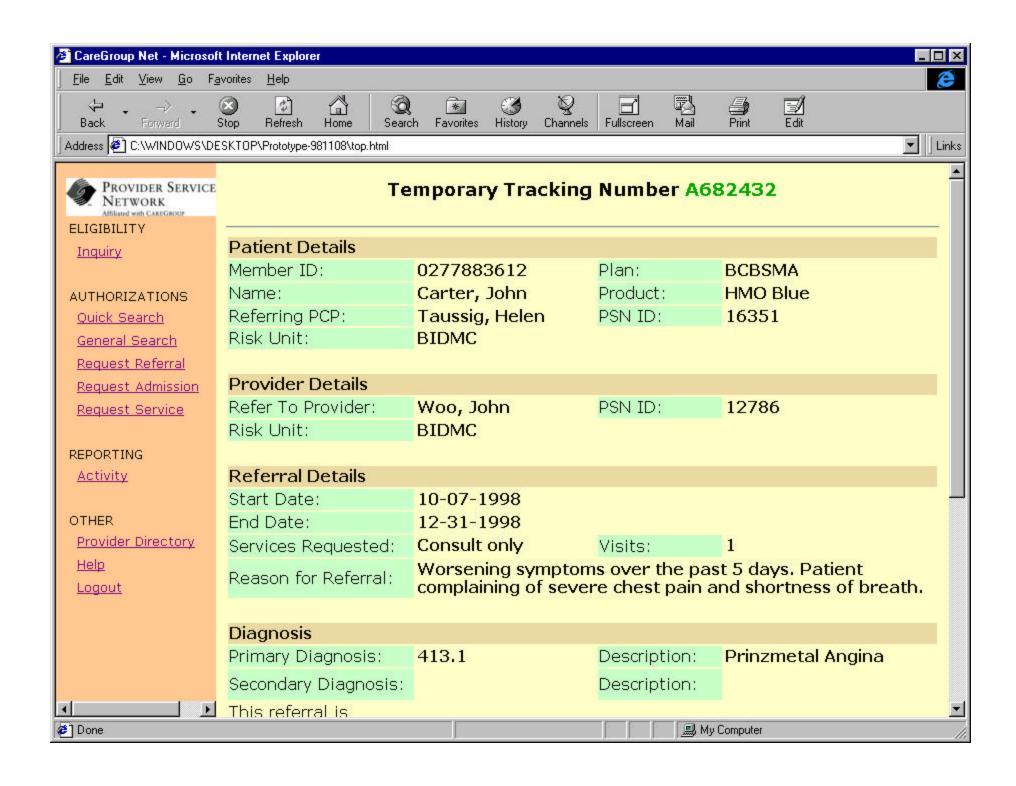
### **NEHENLite – Claim Status Inquiry**













### Welcome to PatientSite



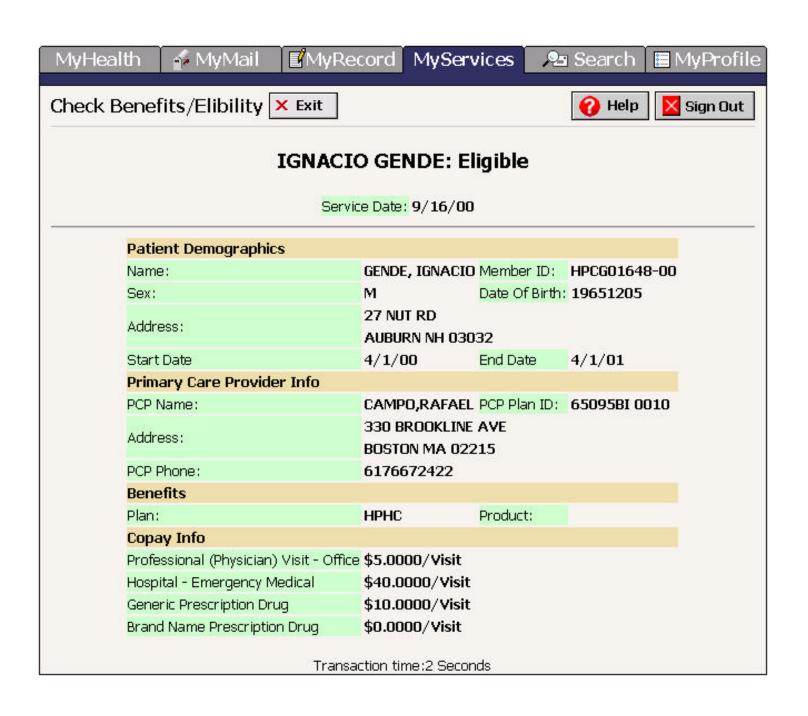
CareGroup HealthCare System implemented PatientSite to give patients the opportunity to communicate with their physicians through the Web. It is secure and free for all CareGroup patients. PatientSite should NOT be used for emergencies.

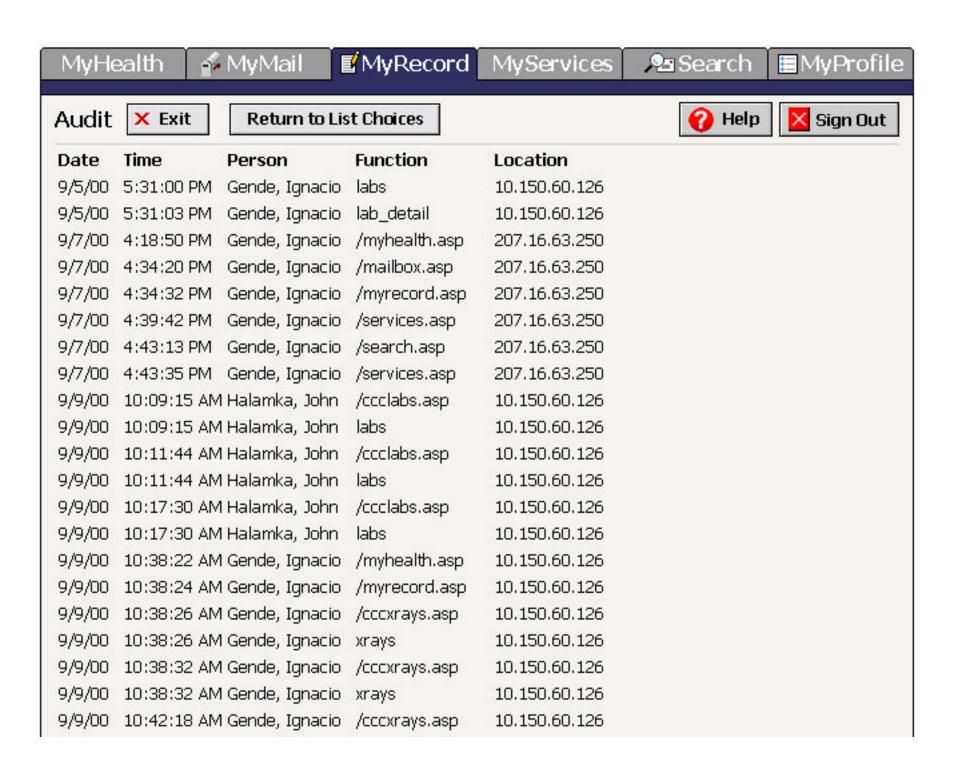
Please enter your Username and Password to login.

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!
orgot Password?

Username:	
Password:	
Login	







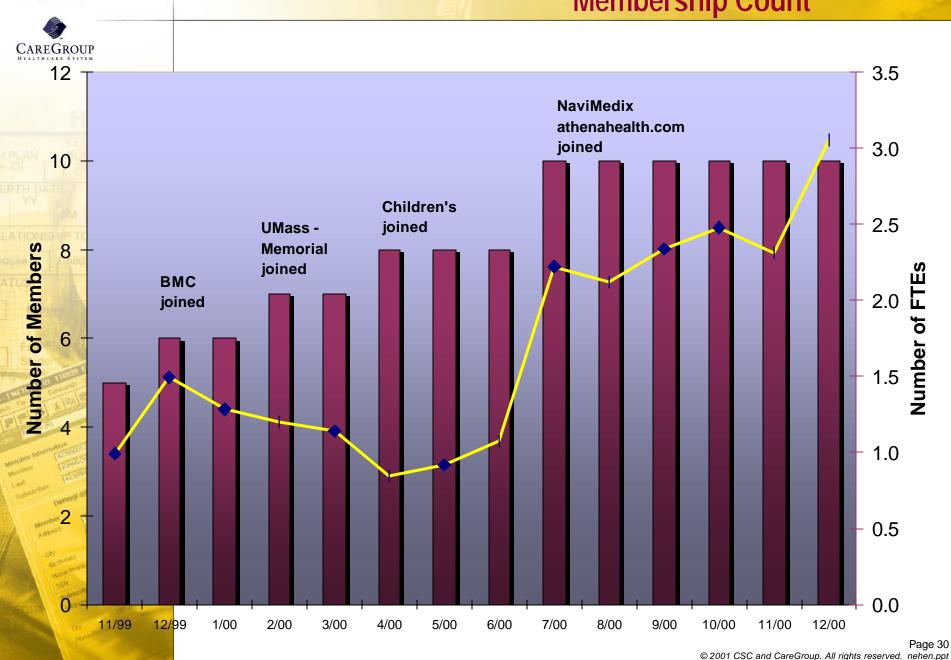


### Administrative Budget





### Program Management Effort (by FTE) & **Membership Count**







### **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 issue
- Recruit new members
- Provide impetus and momentum - keep the ball moving down the field (AKA "herding cats")

## Each organization is responsible for:

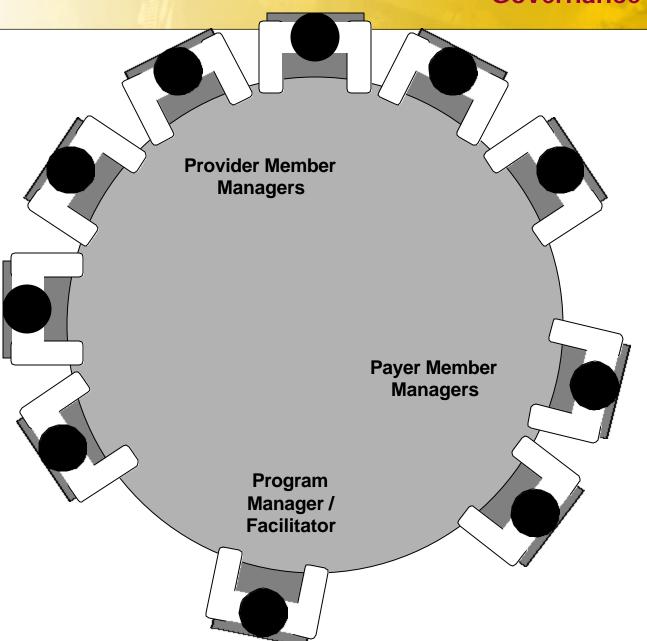
- Implementation costs
- Network expenses
- Monthly program management fee
- The quality of their data
- Security
- Generating and accepting HIPAA compliant transactions





### Governance

- 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



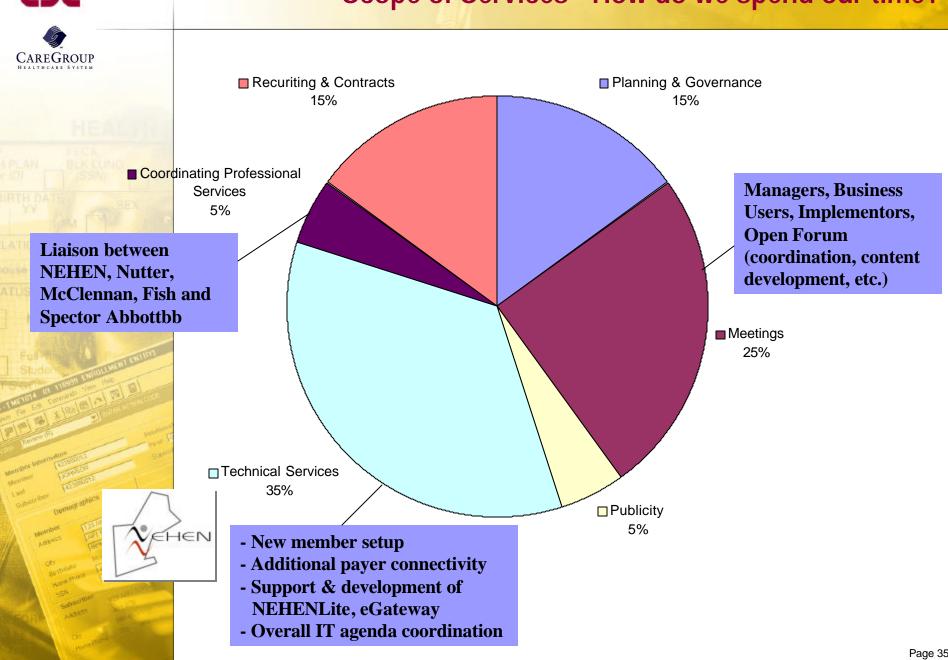


### Internal Approach for Leveraging NEHEN's Value

Educate		Communicate Existing and Potential NEHEN Capabilities to Finance, Operations, and Individual Entities	Group presentations and individual meetings
ATIONSHIP TO	Discover	Collect Business Metrics, Process Details, and Additional Detail on Information Systems Capabilities and Requirements	Individual meetings and prepared documentation
TUS Maries	Target	Identify Best Practice Approach, Determine Feasibility, and Define Solution	Facilitated workshops and interviews
Studen III	Model	Identify Gaps, Model Return on Investment (ROI), and Establish Improvement Targets	<ul> <li>Facilitated workshops, individual meetings, and independent analysis</li> </ul>
Bernardon  Letters Morthadon  Torrestor  Tor	Plan	Define and Prioritize Business and Technical Projects and Plan for Process Change Management	Independent analysis and preparation
Materials In Co.	Budget	Define and Prioritize Business and Technical Projects and Plan for Process Change Management	Independent analysis and preparation



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







### Real and Potential Results









### **Before**

- Prior to NEHEN, little eligibility verification performed
  - POS or Phone
  - EDI was initiated to develop eligibility transactions with Medicaid, Medicare, BCBSMA, Tufts and Harvard

### <u>After</u>

- IDX; >80,000 transactions monthly
- NEHENLite; >9,800 transactions monthly
- ~60% compliance rate
- Decrease in Denials and Rejections
  - Ineligible Service Date
  - No Referral
  - Incorrect PCP
- Reduction in Denial Reserves
- Heightened Awareness







### Case Study – Batch Eligibility Statistics / Efficiencies

### Time to Process Batch

		MinOfDate	MaxOfDate	Time to
Carrier	# Visits	Sent	Received	Process
TUFTS	628	6:00:09 AM	6:42:27 AM	0:42
HP	876	6:00:09 AM	6:45:52 AM	0:45
MEDICAID	112	6:00:12 AM	6:13:33 AM	0:13
MEDICARE	1125	7:00:03 AM	8:50:07 AM	1:50
NHP	68	6:00:24 AM	6:44:51 AM	0:44

### **Processing Results**

			Ttl Requiring	% Requiring
Carrier	Ttl Sent	Ttl Active	Followup	Followup
TUFTS	628	548	80	12.7%
HP	876	779	97	11.1%
MEDICAID	112	95	17	15.2%
MEDICARE	1125	1074	51	4.5%
NHP	68	55	13	19.1%
Grand Total	2809	2551	258	9.2%









#### <u>After</u>

- Prior to Claim Status Inquiry using NEHENLite
  - 3 Collections reps
  - Working all accounts greater than \$750
  - 225 Accounts per FTE
  - Telephone follow-up for claim status on accounts
  - 75% of time spent on the phone
  - Denials posted when EOP received (45 to 60 days)

- After Claim Status Inquiry with **NEHENLite** 
  - 2 Collections reps
  - Working all accounts no minimum
  - 350 Accounts per FTE
  - 10% of time spent on the phone
  - Denials posted immediately (8 to 10 days)
- Additional benefits
  - Claim Number is provided
  - Reduced need to pull EOP's
  - Rejections worked immediately
  - Training is quick and easy
  - Claims status already waiting when rep arrives for work
    - If a call needs to be made the collection rep is prepared
  - 5 day reduction in HPHC AR
  - 90+ A/R aging improved from 21% to 11%





### Pro Forma ROI – Representative

**TOTAL** 



### **Estimated Financial Opportunities (\$ in '000's)**

Denial

- There is significant opportunity to reduce denial reserves at both hospitals
- Optimizing the referral / authorization and eligibility processes show the greatest financial potential
- Performing electronic claims status inquiry shows significant labor savings opportunity (currently requires ~100 FTEs)

	Reserve Reduction			Cash	ı	_abor	ΑI	NNUAL	ONE-TIME CASH		
			Ac	celeration	Eff	iciency	В	ENEFIT	ACCE	ACCELERATION	
Hospital I											
Eligibility Verification	\$	1,147	\$	41	\$	68	\$	1,256	\$	516	
Referrals/Authorizations		2,516		91		41		2,648		1,259	
Claim Submission		-		31		15		46		389	
Claim Status Inquiry		-		35		597		632		435	
Claim Remittance		-		-		45		45_			
Subtotal Hospital I	\$	3,663	\$	198	\$	765	\$	4,626	\$	2,599	
Hospital II											
Eligibility Verification	\$	848	\$	39	\$	15	\$	903	\$	492	
Referrals/Authorizations		2,406		112		14		2,532		1,550	
Claim Submission		-		69		32		101		859	
Claim Status Inquiry		-		35		540		575		439	
Claim Remittance		-		-		41		41_		-	
Subtotal Hospital II	\$	3,255	\$	255	\$	642	\$	4,152	\$	3,340	
Both Hospitals											
Eligibility Verification	\$	1,995	\$	81	\$	83	\$	2,159	\$	1,008	
Referrals/Authorizations		4,923		202		55		5,180		2,810	
Claim Submission		-		100		47		147		1,248	
Claim Status Inquiry		-		70		1,136		1,206		874	
Claim Remittance		-		-		86		86		-	
Total Both Hospitals	\$	6,918	\$	453	\$	1,407	\$	8,778	\$	5,940	

Interest on







- 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







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







 STARS – Risk adjusted referrals to specialists compared over two years

Encounters/1000 \$PMPM

Before STARS 1457 \$8.01

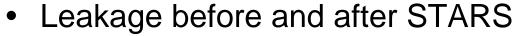
After STARS 1316 \$6.64

\$6.2 million dollars in savings









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











- 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





# CAREGROUP HEALTHCARE SYSTEM

# Sample Implementation Costs: Mid-sized Hospital

		Impleme			tation	2/1/200
		Estimat				
		Low range		High range		Notes
nitia	I Investment					
	dware					
1141	2 Windows NT Servers - (Production & Test)	\$	15,000	\$	40,000	based on current prices for an appropriate Compac ProLiant DL360 - price is total for both servers.
Sof	tware					
	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
						=> These prices are list from Microsoft's web site you may get better prices through a Open License agreement, if you have one Screen scraping software to support the Medicare
	Attachmate eVantage SDK 2.5	\$	1,000	\$	1.200	connection
	Development environment for support use	\$	500	\$	1,000	example: 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 eliqibility service Software	\$	-	\$	-	free to NEHEN members
	Total for Hardware & Software	\$	34,900	\$	95,200	
Ins	ı tallation					
	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
						These services could include Project Manageme rollout and training, enhancements to the core NEHEN software for your business use, and
	Optional: Systems Integration services from CSC or another vendor.	\$		\$	100,000	development of reports to help track compliance and ensure that you receive optimum value from the NEHEN investment.
		_		_		
	Total Initial Investment	\$	34,900	\$	195,200	







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





### **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 revenuegenerating 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?**

