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Informational Presentation
The Development of a community based
Healthcare Network
May 15th, 2003

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- Who is Navigator Networks?
 - Navigator Networks – creates, designs, implements, and manages secure networks
 - Separated in 2002 from parent company, ECC Technologies primarily for liability reasons



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- What is RAPID ?
 - Regional Area Patient Information Distribution Network being driven by the healthcare business
 - Owned and managed by Navigator Networks a private business
 - A community wide healthcare resource
 - Physical and logical network components linking the health care community across the state of NY
 - A foundation to support collaboration in the healthcare community



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- **Why was RAPID developed?**
 - The need to simplify networking
 - Security and local control
 - Cost savings to the users
 - Security issues relating to Government Regulations (HIPAA)
 - To employ networking technologies that take advantage of today's communication environment



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- **What is the goal of a RAPID Model?**
 - To provide secure network services to support community based healthcare collaboration
 - To provide community wide foundations that meet the needs of our customers while ensuring security and privacy
 - To be and enabler for the development and implementation of community based healthcare, and public safety technology based programs



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- **The Healthcare Industry**

- The Regional Area Patient Information Distribution Network (RAPID) is a Community based network which allows the Healthcare Community (both business and municipal), to collaborate over a private computer network
- The Network allows local Health organizations to communicate with other Health related organizations using a single secure connection
- The health care business (health care providers) can send and receive patient information over a single secure connection while meeting or exceeding HIPAA regulations.
- The RAPID model is a very effective way to include practices, labs, clinics and other smaller entities into a community wide program



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- **How is the Monroe County RAPID managed**
 - Members of the board of advisors are CIO level representatives from the RAPID Core Sites.
 - The Rochester regional RAPID Advisory Board is chaired by Dr. Andrew Doniger, Monroe County Health Director.
 - A technical advisory group has been created with representation from each core user. This group reviews the network to ensure that the organizational needs for each are met for connectivity and security.



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- The Catalysts for the development of a regional RAPID Model
 - The health care business, using old or unsecured technologies
 - The insurance providers
 - The hospitals
 - Medical educational entities
 - Each entity realizes significant savings and solves a major component / issue of HIPAA



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- The Catalysts for the development of a regional RAPID Model cont.
 - Local public health and public safety requirements
 - A foundation needed to support Local Public Health Preparedness
 - Requirement to access real time information
 - Bio terrorism and health alert foundation
 - Ability to communicate with and share information with providers and other municipal efforts region wide



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- An example of an operational RAPID Network?
- Monroe County, New York
 - RAPID Core members include each of the hospitals located within Monroe County, BlueCross / BlueShield, Preferred Care, Monroe County Health Department, Coordinated Care Services Inc, Monroe Plan, Monroe County Medical Society, and Monroe County IS Department.
 - RAPID VPN Members include other medical providers and related organizations such as Medicare, Rural Metro Ambulance, American Home Patient, Visiting Nurse Services, Doctor Offices, Rural Hospitals, Surrounding Counties, Labs, Mental Health and Substance Abuse Treatment Centers are also connected to the Network.



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- **Municipal importance of the Monroe County RAPID Network?**
 - It extends the National Health Alert Network to meet local needs to manage local emergencies
 - It is the foundation for the development of applications and programs for the Local Center for Public Health and Preparedness in Rochester.
 - Preparedness Planning and Readiness Assessment
 - Surveillance and Epidemiology
 - Health Alert Networking
 - Risk Communication and Health Information Dissemination
 - Education and Training



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- **Growth of the Monroe County RAPID Network into a regional model**
 - The Rochester RAPID started as a Monroe County based program.
 - Currently expanding to include over 20 county health departments and 30 hospitals
 - Accessed by healthcare entities in 3 states
 - Expected to cover 75% of the geographical area of New York State within 1 year



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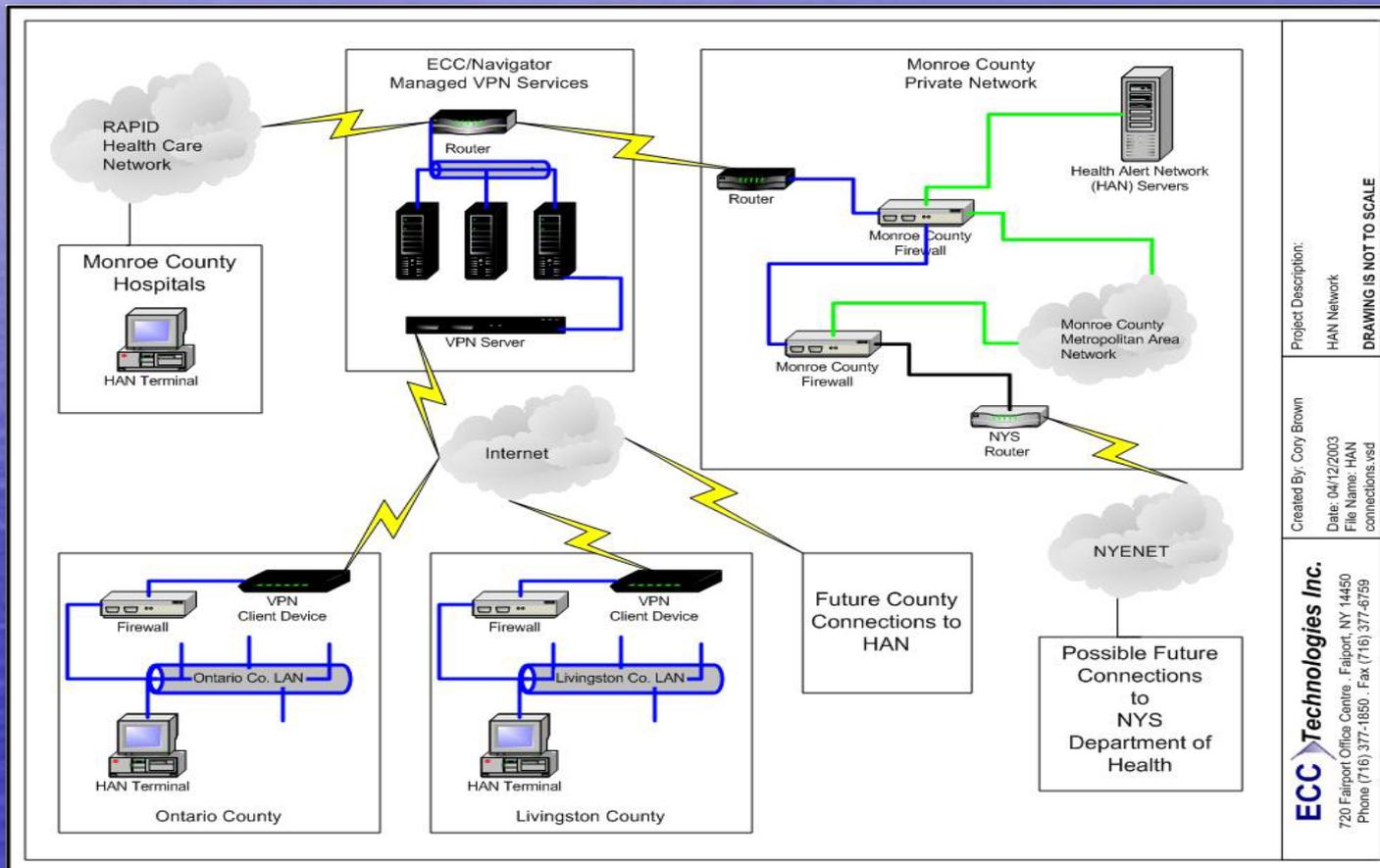


- **Employed technologies**

- The RAPID is a secure network that consists of both direct and indirect connections
- Virtual Private Network (VPN) using multiple forms of encryption is used over Internet based links
- Built-in Firewall with all hardware installations
- User Level- accountability and routing



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Project Description:

HAN Network

DRAWING IS NOT TO SCALE

Created By: Cory Brown

Date: 04/12/2003

File Name: HAN connections.vsd

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- Key advantages for a privately owned community based health network
 - Eliminates the need for multiple connections.
 - As an example, the Monroe County health department collaborates with five hospitals, the 911 Center, Office of Emergency Management, Rural Metro Ambulance and other entities through a single connection.
 - Multi-office connections can utilize single host site for servers, reducing hardware, software and maintenance costs.
 - Non-biased support
 - All support for the connection to the network and other sites is provided by Navigator Networks. A non biased entity
 - The healthcare industry is competitive, removing competition opens the doors for collaboration



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– Advantages of a RAPID model

- Uses existing community resources
- A single managed connection
- A single cost structure
- 7x24 access to resources
- HIPAA Compliance
- Immediate results with increased efficiencies and reduced costs
- Scalable across large and small organizations
- Expandable to police, fire and others



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- What are some of the roadblocks we faced while developing a RAPID model ?
 - The initial reluctance of the providers to collaborate (competition)
 - While this seems effective for larger entities, doctors offices may be hesitant
 - A champion is required, This is generally the Director of the local health department



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- What are some of the roadblocks we faced while developing a RAPID model cont.?
 - Many organizations have set out on their own
 - Until recently, incomplete HIPAA guidelines
 - Users not sure of what information to share
 - Establishment of a RAPID Model could take up to a year



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- How do you get a RAPID model started within your community?
 - Identify a champion
 - Create the vision
 - Identify and bring together the important players
 - Begin discussions on collaborative opportunities
 - Put together a community wide Action Plan
 - Get buy in and support
 - Follow through



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Questions ?