

# CHAC Discussion Topics

- Health Information Networks
- CHIN, RHIO, NHIN
- NHIN Status
- Challenges
- How is MRMC Positioned?
- Questions

# Health Information Networks

**Purpose: Share real-time clinical information among all health care providers (office practices, hospitals, labs, diagnostic facilities, etc.) across the state to improve patient outcomes and patient-provider relationships, while reducing service duplication and the rate of increase in health care spending.**

# CHIN - RHIO - NHIN

- CHIN - Community Health Information Network
- RHIO - Regional Health Information Organization
- NHIN - Nationwide Health Information Network

# NHIN Objectives

- Developing capabilities for standards-based, secure data exchange nationwide
- Improving the coordination of care information among hospitals, laboratories, physicians offices, pharmacies, and other providers
- Ensuring appropriate information is available at the time and place of care
- Ensuring that consumers' health information is secure and confidential
- Giving consumers new capabilities for managing and controlling their personal health records as well as providing access to their health information from EHRs and other sources
- Reducing risks from medical errors and supporting the delivery of appropriate, evidence-based medical care
- Lowering healthcare costs resulting from inefficiencies, medical errors, and incomplete patient information

# Challenges

- Standards development for technical architecture
- Clinical information relevance - What is important to gather and how long will it be important?
- Timeliness of information obtained
- System security - “need to know”
- Presentation of clinical information
- Funding

# NHIN Updates

- Prototype Architectures
- In September 2007 HHS awarded 22.5 M to 19 Facilities
- Public Forums - Most Recent in December of 2008
- <http://www.hhs.gov/healthit/healthnetwork/>

# What is MRMC Doing to be Ready?

- Connectivity Choices
- Results Reporting
- Interface Systems
- Ambulatory Ordering
- Physician Portal
- Standards

# Connectivity Choices

- Direct Connection - On Campus Choice
- Virtual Private Network (VPN) - Off Campus Choice for Text Based Needs
- Mercy Campus Umbrella using SOAR - Off Campus Choice for Text and Image Based Needs
- Terminal Services (Citrix) - Off Campus Choice for Home Based Text and Image Needs

# Results Reporting

- Return Results to a Practice FAX
- Return Results to a Practice Printer connected directly to MRMC Systems
- Return Results to an Ambulatory Electronic Health Record (AEHR) using Interface Systems
- Return Results to a ...

# Interface Systems

- Laboratory Results - HL7
- Pathology Results - HL7
- Departmental Reports - HL7
- Transcription Reports - HL7 and Text
- Diagnostic Images - HL7 and DICOM
- Scanned Documents - Complex Conversion

# Ambulatory Ordering

- Allow ordering from a Web/Browser based ordering system
- Allow ordering from an AEHR
- Not to be confused with Computerized Physician Order Entry (CPOE)

# Physician Portal

- Designed as a tool to replace Meditech's Patient Care Inquiry (PCI) for Physicians
- Extracts information from MRMC Systems and presents data in a "point and click" desktop view
- CHI has chosen a single source Vendor, Patient Keeper, as the portal tool
- Expected install for MRMC is FY09/10

# Standards

- HL7 - Health Level 7
- DICOM - Digital Imaging and Communications in Medicine
- AHIMA - American Health Information Management Association
- More to come...

# Questions

- Thanks...