

# Health Information Exchange: Meaningful Use and Beyond

National Rural Health Resource Center  
Rural Hospital Performance Improvement Project  
June 14, 2013

# Today's Meeting Goals

- Discuss Mississippi Health Information Network (MS-HIN)
  - Background, Vision, Progress
- MS-HIN Services
- Meaningful Use Requirements
- Benefits of Health Information Exchange



# Health IT and The Patient Protection and Affordable Care Act

At the heart of healthcare reform efforts is the use of data to *reform payment structures*, procedures, *manage clinical quality, improve efficiency* and drive *improvements in public health*.

The ACA promotes the value of Health IT efforts to improve quality and stipulates that quality measures should be collected using Health IT.

# Health IT and the Patient Protection and Affordable Care Act

At the heart of healthcare reform efforts is the use of data to reform payments structures, procedures, manage clinical quality, improve efficiency and drive improvements in public health. The ACA promotes the value of health IT efforts to improve quality and stipulates that quality measures should be collected using health IT.

# How HITECH Programs Advance Health Reform Goals

## **Objective: Better quality of reporting and measurement.**

- CMS Incentive Program
- Regional Extension Center (REC) partnerships with providers to select EHR systems

## **Objective: Improved efficiency**

- HIE programs to ensure exchange of health information
- NHIN-creation of a common platform for health information exchange

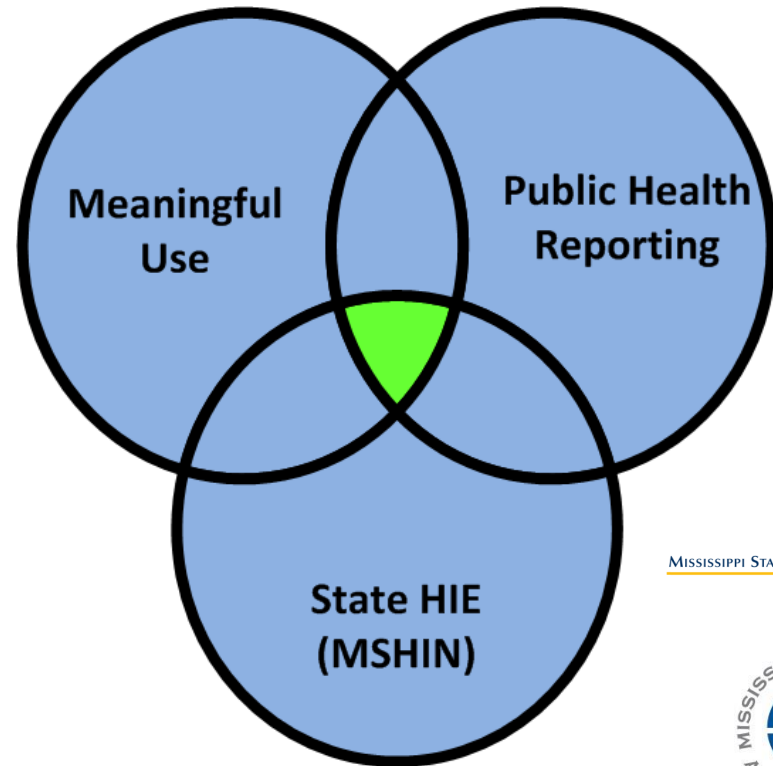
## **Objective: Breakthrough examples of delivery reforms**

- Beacon Community Grants, demonstration projects in which clinicians, hospitals show how EHR can achieve breakthrough improvements in care.

HITECH Program	Better Measurement	Rewarding Quality	Payment Reform	Care Coord	Admin Simplification	Patient Engagement
EHR adoption and Meaningful Use	X	X	X	X	X	X
Regional Extension Centers	X	X				
HIE	X		X	X		X
Beacon Community Grants	X	X	X	X		
NHIN	X		X	X		X
Policy and Standards	X				X	X

# Driving Factors for Health Information Exchange

- Meaningful Use
- Affordable Care Act
- Mississippi State Department of Health (MSDH)
- State HIE (Mississippi Health Information Network: MS-HIN)



MISSISSIPPI STATE DEPARTMENT OF HEALTH





# Who is MS-HIN?

# Aftermath of Katrina





# Background

## Began...with Pilot Project - MSCHIE

*Mississippi Coastal Health Information Exchange*

- **Pilot Project on the Coast in 2008 - with Katrina Grant**
  - Five (5) hospitals and (Singing River Health System, Memorial of Gulfport, Hancock Medical, Biloxi Regional (HMA) and Coastal Family Health Center Clinics
- **ARRA/HITECH Act Legislation – February, 2009**
  - Hospital Incentives – Meaningful Use
  - Physician Incentives – Meaningful Use (Adoption of Electronic Medical Records)
- **State legislation was signed – forming MS-HIN & governance structure**
- **MS applied and received federal HITECH - HHS Grant**
  - MS applied and received federal funding
- **MS IT Task Force voted to move forward expanding MSCHIE – statewide**

# MS-HIN Governance Structure

- The MS-HIN Board was established in 2010 Legislative Session
- The Board is authorized in **MS CODE Section 41-119-1 through 41-119-21**
- Board members include:
  - Blue Cross Blue Shield
  - MS Primary Healthcare Association
  - State Medical Association
  - Division of Medicaid
  - Department of Mental Health
  - Department of Health
  - Health IT Representative from a Hospital
  - Delta Health Alliance
  - MS Coastal Health Information Exchange
  - Department of Information Technology Services
  - University of Mississippi Medical Center

# MS-HIN's Vision

The Mississippi Health Information Network (MS-HIN) is the statewide health information exchange which allows healthcare providers to share clinical information to improve patient safety and health outcomes.



# Data Exchanged by MS-HIN

Healthcare providers participating in the MS-HIN will be able to send and receive the following clinical information:

- Medication History
- Lab Results
- Admission/Discharge Report
- Pathology
- Transcriptions
- Continuity of Care Document
- Public Health Reporting (labs, immunization, syndromic surveillance)



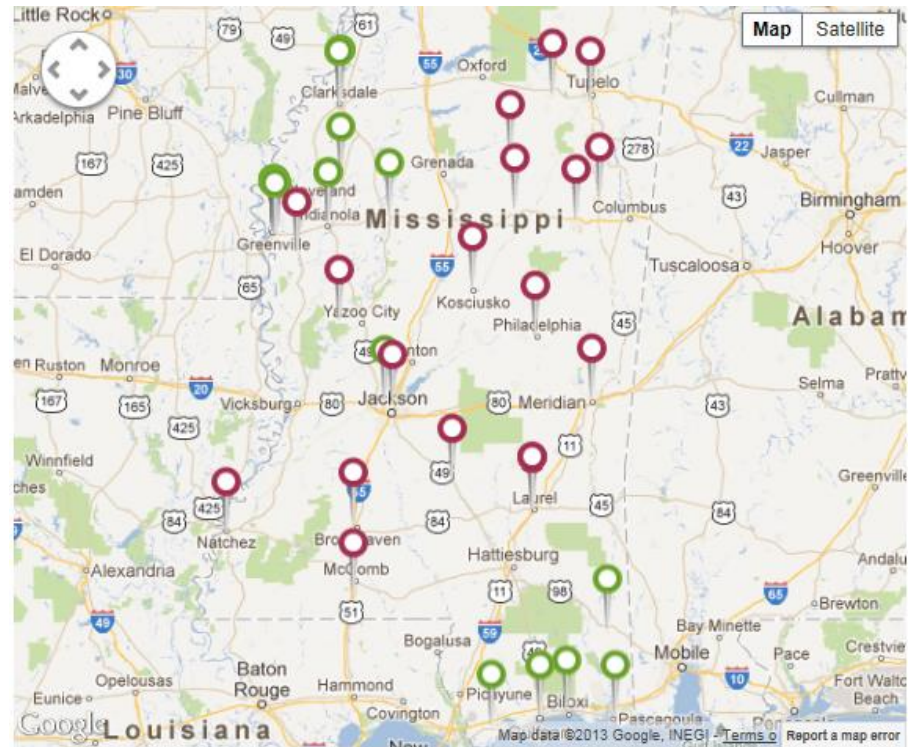
# MS-HIN Services

- Community Health Record – Consolidated clinical data (patient-based)
- EHR integration
- Electronic Referrals
- Satisfy Meaningful Use Requirements
- Gateway for all Public Health Reporting



# Current Status

- Gulf Coast
  - Five Hospitals
  - 12 FQHCs
- The Delta
  - Four Hospitals
  - 27 Clinics
- By End of Year
  - UMC, NMMC
- Licensed Hospital beds
  - 13% (Current)
  - > 30% (Jan 2014)
  - > 70% (Jan 2015)



Zoom Level



You may click on a marker type below to show or hide its locations.



Participating



In Process



# HOW DOES MS-HIN HELP WITH MEANINGFUL USE?

# Meaningful Use



# Meaningful Use Components

- The use of a **CERTIFIED EHR** in a meaningful manner
- **ELECTRONIC EXCHANGE** of health information to improve quality of health care.
- Submit clinical **QUALITY** and other **MEASURES..**

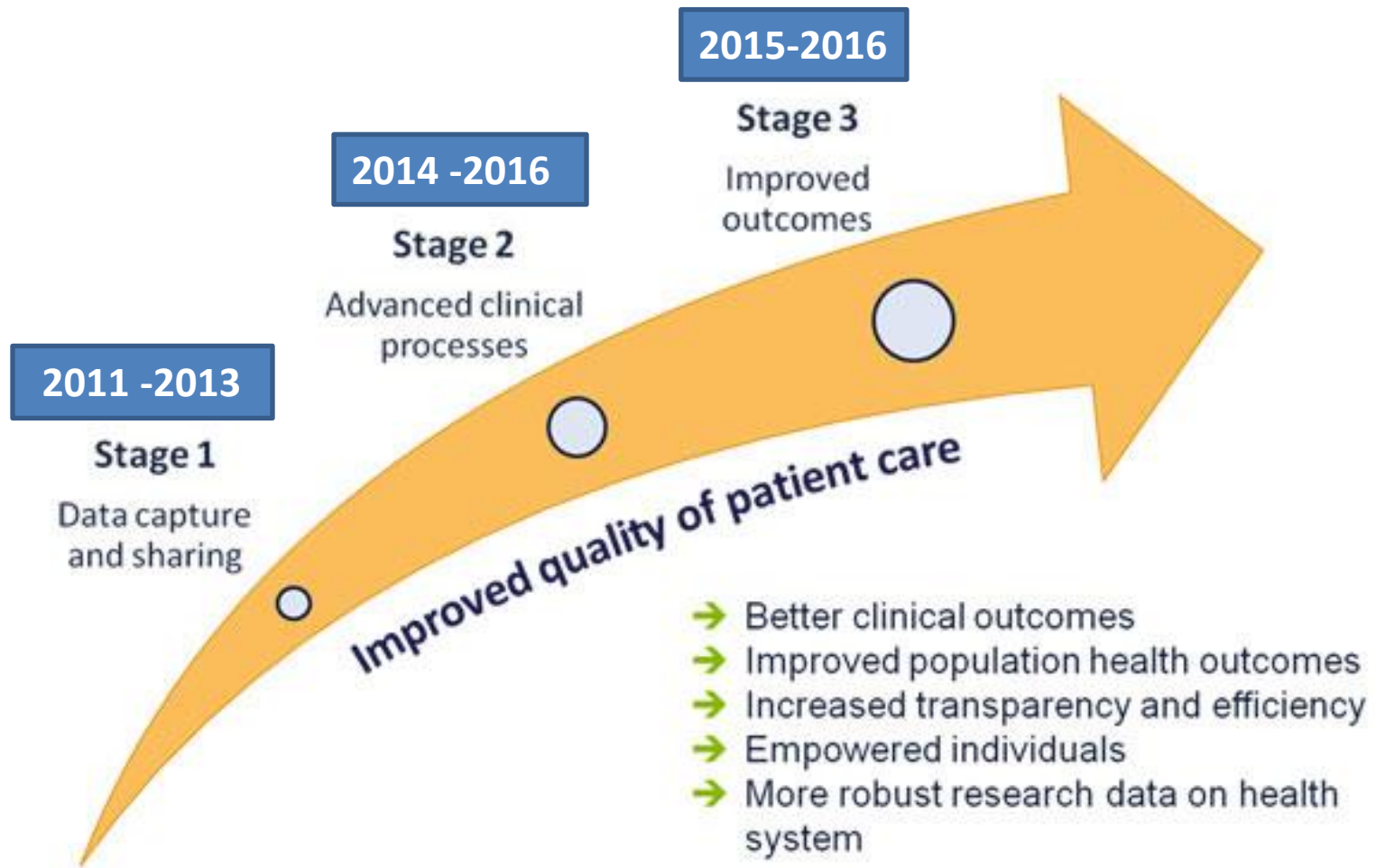


# Meaningful Use Goals Using Health IT

- Improve quality, safety, efficiency, and reduce health disparities
- Engage patients and family
- Improve care coordination, and population and public health
- Maintain privacy and security of patient health information

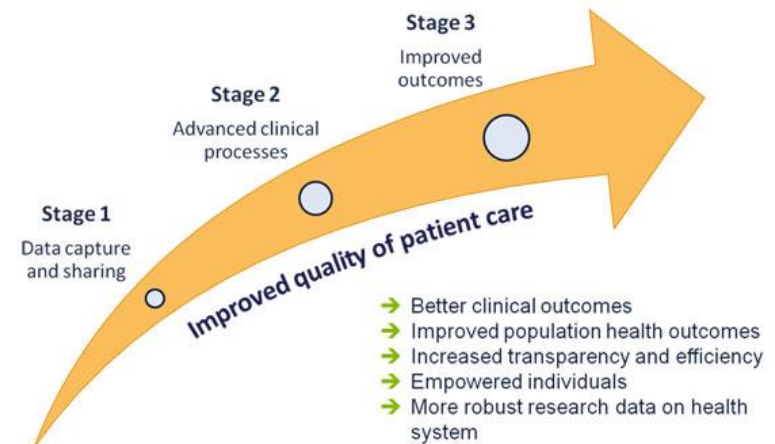


# Staged Approach



# Meaningful Use Requirements (Using MS-HIN)

- **Exchanging data with other clinicians**
  - Continuity of Care
- **Public Health Reporting**
  - Mandatory: Immunizations, Lab Results, Surveillance
  - Optional: Cancer
- **Patient Access**



# Public Health (MSDH) Reporting

# Public Health (MSDH) Reporting

- **Meaningful Use**
  - Mandatory: *Lab Results, Immunizations, Syndromic Surveillance*
  - Optional: Cancer
- **Hospital Discharge**
- **“Program Specific”**
  - STD/HIV, Hearing, Trauma, etc.



MISSISSIPPI STATE DEPARTMENT OF HEALTH



# MSDH Goals

- **Dr. Currier – State Health Officer**
  - Chair, MS-HIN Board
  - State Designated Entity for MS-HIN
  - Public Health Objectives
- **Ease of Use**
- **Leveraged Solutions- Use Interfaces Which Also Populate the CHR**
- **Partnerships / Relationships**



# Continuity of Care

# Continuity of Care

- The eligible hospital or CAH who transitions their patient to another setting of care or provider of care or refers their patient to another provider of care provides a summary care record for each transition of care or referral.
- The eligible hospital or CAH that transitions or refers their patient to another setting of care or provider of care provides a summary of care record for more than 10 percent of such transitions and referrals either electronically.
- The Summary of Care document is structured data which contains numerous clinical data elements. This document although comprehensive, does not provide all data elements related to a patient's encounter.

# Patient Engagement

# Patient Engagement

- MS-HIN is currently evaluating all patient engagement options.
- The survey you completed was a resource we are using to determine if there is adequate need/support for these services at the state level.
- Has your organization determined how you will meet the Stage 2 patient engagement requirements?

# HOW IS MS-HIN IMPORTANT TO HOSPITALS & PROVIDERS?

# MS-HIN Advantages

- Satisfying Meaningful Use Requirements
- MS-HIN Has Grant Funding to Help Pay for Implementation and Interface Costs
- Decreases Hospital Expenses
- Improves the Decision Making Process
- Reducing Avoidable ED Visits



# Getting you to Stage 2 Faster

- MS-HIN fills Public Health reportable measures
- Sharing care summaries with disparate systems and EHR vendors
- Allows providers to connect once with numerous providers, reducing the number of interfaces and giving your clinical staff access to real-time patient information.





# Return on Investment

- 15% of repeat ED visits could have been avoided with HIE Information
- 20% reduction in duplicative ED-related medical work
- Save 400K annually. What does a 1% reduction in budget to care for patients mean to you?
  
- Source: Sridhar S, Brennan PF, Wright SJ, et al. J Am Med Inform Assoc (2012). doi:10.1136/amiajnl-2011-000606

# MS-HIN TOOLS

# MS-HIN Tools

## Physician Tools:

- ProAccess (Consolidated Patient Record)
- Direct Messaging (Secure Messaging)
- Referral Portal

## Administration Tools:

- Gateway for state reporting
- Helps satisfy Meaningful Use requirements

# WHY THIS IS IMPORTANT TO PATIENTS?

# Collaboration Among Providers



# Patient Benefits

- Increased Communication
- Reduce Duplicated Tests
- Reduction in Medication Errors and Interactions
- Help in Natural Disasters
- Help in Emergency Situations
- Security

# Contacts

- [www.ms-hin.ms.gov](http://www.ms-hin.ms.gov)
- Candice Whitfield, Executive Dir., MS-HIN
  - [candice.whitfield@ms-hin.ms.gov](mailto:candice.whitfield@ms-hin.ms.gov)

# Questions?