

Health Information Technology: A Regional Approach

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**12th Annual Small and Rural Hospital Conference
November 13-14, 2012 – Charlotte, NC
"Rx: Listen. Learn. Lead."**

Outline

- Introductions
- NC HIT Landscape – Steve Cline
- HIE in NC – Chris Scarboro
- Case Study: Halifax Regional – Robert Gordon
- Q & A

Questions to Ponder

- 1) Why do we tolerate “low” IT in health?
- 2) What would it take to change that?
- 3) Will the federal plan to advance HIT work?

HIT Goals *“The Triple Aim”*

- Improved healthcare quality
- Better health outcomes
 - Individuals
 - Populations
- Control costs
- Better engage health care consumers

HIT Landscape

- **Existing HIT Systems:** Hospitals, RHIOs, Public Health, Individual Provider Practices, Payers
- **Quality Improvement:** NC AHEC Quality Initiative, NC Healthcare Quality Alliance, Carolinas Center for Medical Excellence
- **Community Care of NC:** Informatics Center
- **Laws:** Legal framework for HIE, NC is Opt Out
- **Academic Medical Centers and IDNs:** Duke, UNC, Wake Forest, ECU(Vidant Health), Carolinas Healthcare System, Novant
- **Payer Mix:** Government share increasing

HITECH Funded Initiatives

- State Level HIE (\$12.9m)
- Regional Extension Center (\$13.6m)
- Beacon Community Grant (\$15.9m)
- Broadband Technology Opportunities Program 1&2 (\$144m)
- Workforce Development-Training (\$21.1m), Curriculum (\$4m)
- CHIPRA (\$9.2m)
- ONC Challenge Grant (\$1.7m)
- Medicaid Incentive Payment Program (\$250m)

Business Case for HIT/HIE

- Fundamental to taking waste out of the system and lowering costs
- Knowledge transfer challenge
- Increased quality of care – evidenced based medicine
- Enables new models of care

Evolution of “Connected Care”

- Care coordination
- Networks of care
- Functionality
- State of mind

Summary

- The time is NOW!
- Connected care is the future.
- Consumer engagement is next.
- Business intelligence in health.
- Keep our eyes on the prize.



Information Technology Reform IS Health Care Reform



Questions?

- steve.cline@dhhs.nc.gov
- www.healthIT.nc.gov

Community Care of North Carolina

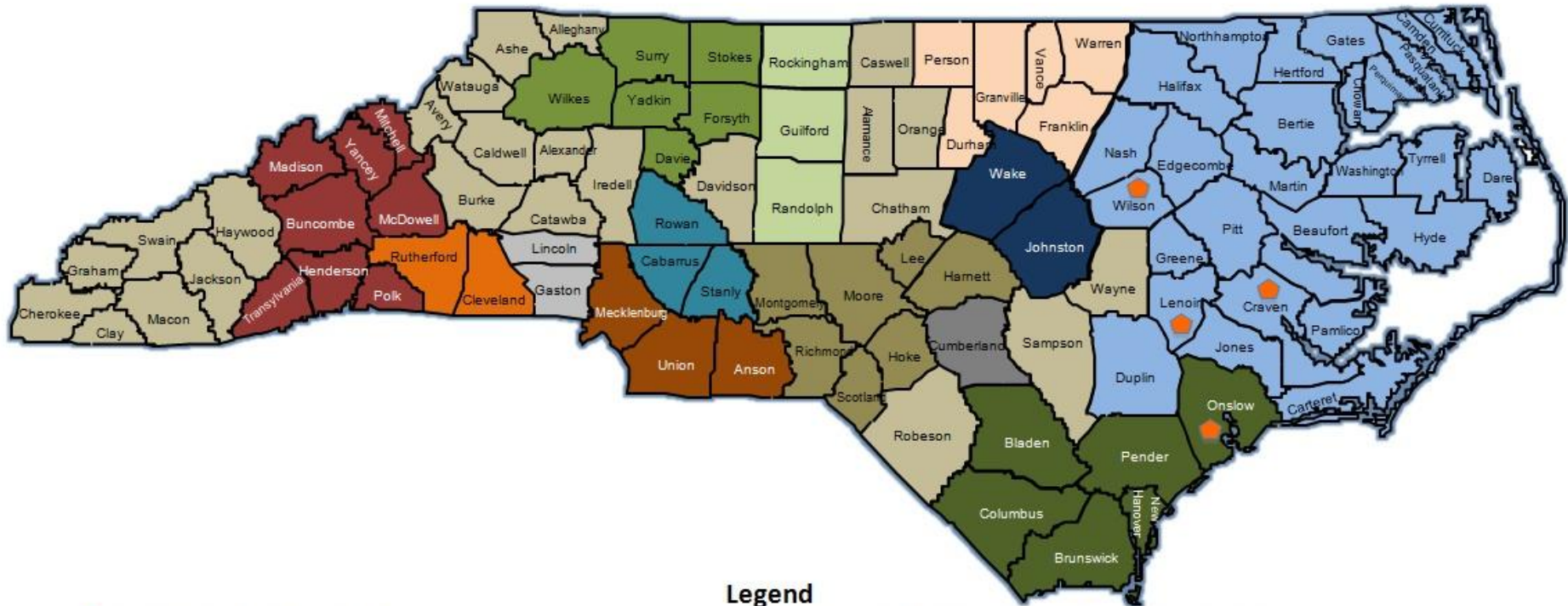
Small and Rural Health Hospital Conference



Community Care Networks



Community Care
of North Carolina

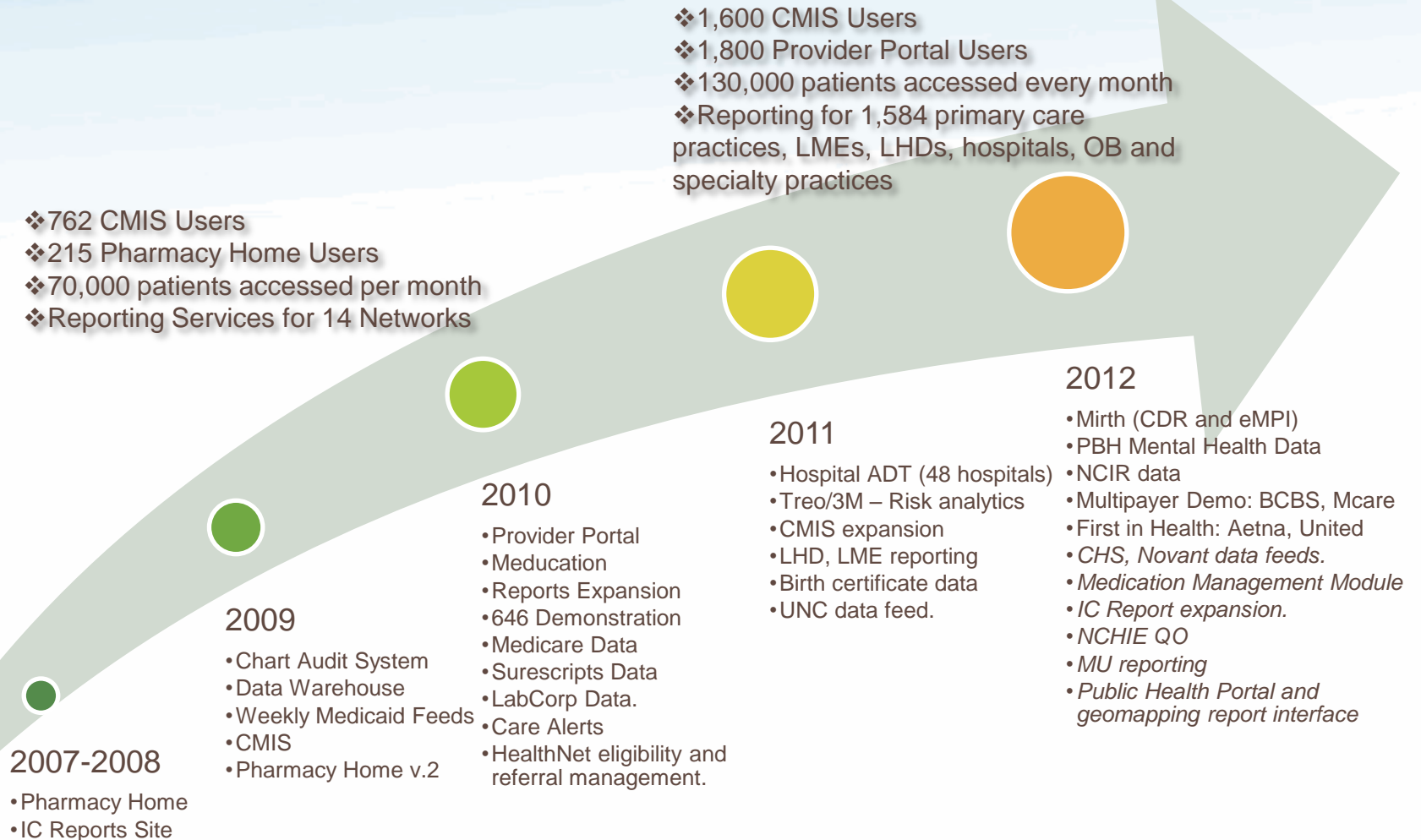


- ◆ AccessCare Network Sites
- AccessCare Network Counties
- Community Care of Western North Carolina
- Community Care of the Lower Cape Fear
- Carolina Collaborative Community Care
- Community Care of Wake and Johnston Counties
- Community Care Partners of Greater Mecklenburg
- Carolina Community Health Partnership

Legend

- Community Care Plan of Eastern Carolina
- Community Health Partners
- Northern Piedmont Community Care
- Northwest Community Care
- Partnership for Health Management
- Community Care of the Sandhills
- Community Care of Southern Piedmont

Informatics Center Timeline



Community Care Informatics Center



- Provider Portal
- Case Management Information System (CMIS)
- IC Reports
- Pharmacy Home
- Health Information Exchange Initiatives



Meaningful Use Stage

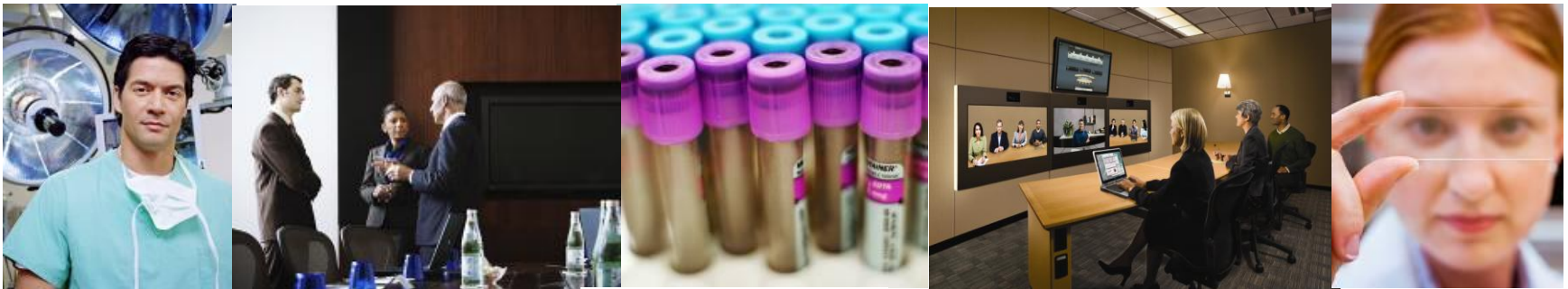
Stage 1: Capture of Health Information Electronically

Stage 2: Mobilizing the Data

Stage 3: Sustainability through Quality Improvement

Current NC HIE Overview

- Nonprofit organization established as a Statewide Designated Entity (SDE) in April 2010
- Board of directors: 25 CEOs and health care leaders in the North Carolina community
- Initial strategy and policy developed by community of experts on
 - Clinical and technical operations



Future HIE



- Leverage Existing Partnerships
- Reevaluate Business Requirements
- Reduce Costs
- Create Core Infrastructure
- Supplement Existing Technology Investments
- Create Value Around Common Objectives



Contact Information

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A Leading Partner in a Healthier Community



Halifax Regional

Not-for-profit, community-based hospital founded in 1912.

Fully accredited by the Joint Commission on Accreditation of Healthcare organizations.

Affiliations with major medical centers, including: Vidant Medical Center, WakeMed, UNC Hospitals and Duke Medical Center.

Our patients come from Halifax, Northampton and Warren counties in North Carolina and Mecklenburg, Brunswick and Greensville in Virginia, so we serve a wide region along the I-95 corridor.



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Our Primary Service Area

	Halifax County, NC	Northampton County, NC
Population	55,173	21,893
65 years and over	16.5%	20.4%
Median household income	\$30,439	\$30,578
Persons below poverty level	23.8%	21.7
Unemployment	16%	14.9%
No health insurance	14.5%	15.1%



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Halifax Regional

100 Year Anniversary!

Quick Facts

Employees – 883

Active medical staff – 60

Licensed beds – 204

Average daily census – 98

Admissions – 7,441

Annual outpatient visits – 39,083

Annual visits to Emergency Care Center – 39,792

Annual surgical cases – 4,139

Total net revenues – \$104 million

Patients:

- 52% Medicare
- 20% Medicaid
- 8% Self pay



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HIE – Health Information Exchange

The mobilization of healthcare information electronically across organizations within a region, community or hospital system.

HIE provides the capability to electronically move clinical information among disparate health care information systems while maintaining the meaning of the information being exchanged. The goal of HIE is to facilitate access to and retrieval of clinical data to provide safer and more timely, efficient, effective, and equitable patient-centered care.

From Wikipedia, the free encyclopedia



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HIE

Two options

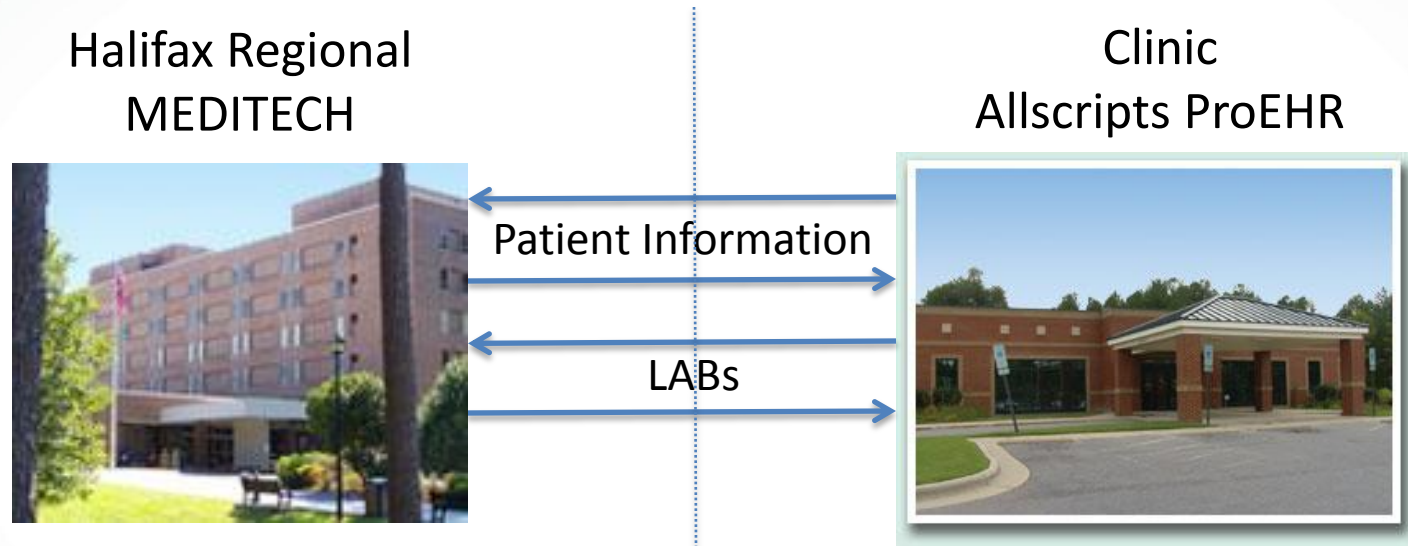
1. Do it yourself
2. Join an organization

HIE

Considerations

- Interfaces
- Support
- Timing
- Security and compliance
- Expense

HIE - Interfaces



8 Interfaces above - 4 for each side.

HIE - Interfaces

Clinic Systems

- Greenway PrimeSUITE
- eClinicalWorks
- meridianEMR
- GE Centricity
- Allscripts ProEHR
- MTBC ChartsPro

HIE - Support

Staffing

13 FTEs total in Information Systems

- 2 Network Engineers
- 2 Computer Support Techs
- 1 Clinical / Interface Analyst
- 1 IS Security Officer / Project Manager

HIE - Support

You touch it. You own it.

The last thing installed, broke it.



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HIE - Timing

We started our 90 day Stage Attestation period on October 1, 2012.

We need to share information with another entity to satisfy Core Measure 13.

HIE - Security

Patients must be notified that their information is being shared.

If they chose to “opt out”, then access to their records must be limited.

HIE - Expense

- Software
- Networking
- Staff
- Forms
- Service fees

Why the NC HIE?

Public Health Interfaces

- Immunization
- Laboratory Results

Rural Health Group, Inc.

- A non-profit, federally qualified community health center
- Operates in eleven (11) locations – most are in Halifax and Northampton counties
- Over 23,000 people have received care at their clinics
- They have a case manager and pharmacist located at Halifax Regional



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Questions?



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