

North Carolina Healthcare Information and Communications Alliance, Inc.

North Carolina Health Information Exchange Council

August Meeting

Asheville, NC and online
August 1, 2008

1 *Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies*

North Carolina Healthcare Information and Communications Alliance, Inc.

AGENDA


| Start | Topic | Discussion Leader |
|-------|--|---|
| 2:00 | Welcome and Introductions | • Holt Anderson |
| 2:05 | Approve notes from June 18th meeting | • Holt Anderson |
| 2:10 | Committee Reports <ul style="list-style-type: none"> • Policy Development • Quality of Care & Evaluation • Finance & Administration | <ul style="list-style-type: none"> • Dave Dillehunt, Kris-Shae McCall • Ed Ermini, John Kessler • Richard Steen (for Lanier Cansler, Phred Pilkington) |
| 2:20 | Western NC Health Network Data Link project | • Gary Bowers |
| 2:50 | Open Discussion & Next Steps | All |
| 3:00 | Adjourn | |

2 *Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies*

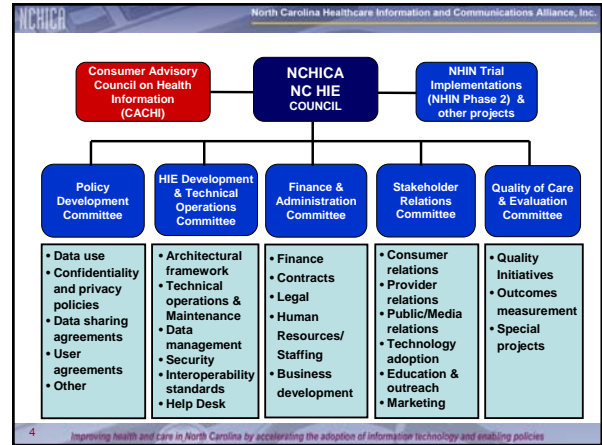
North Carolina Healthcare Information and Communications Alliance, Inc.

Welcome & Objectives

- NC HIE Council Roll Call
 - Welcome
- Approve 6/18 HIE Council Meeting Notes



3 *Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies*



North Carolina Healthcare Information and Communications Alliance, Inc.

NC HIE Council Committees

Policy Development Committee

- Dave Dillehunt & Kris-Shae McCall
- Met June 25 and July 23
- Well attended
- June addressed DURSA and Inter Organizational Agreements
- July addressed Consent Policies
- Online collaboration thanks to UNC-G

5 *Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies*

North Carolina Healthcare Information and Communications Alliance, Inc.

NC HIE Council Committees

Finance & Administration Committee

- Lanier Cansler & Phred Pilkington
- Met June 4, June 18, July 23
- Medium Attendance (10 – 15 each meeting)
 - Need additional participants for success of Iteration 2 of Business Plan
- Initial Business Planning Scope Agreed
 - Scenario based business plan for NHIN deliverable – Iteration 1

6 *Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies*

North Carolina Healthcare Information and Communications Alliance, Inc. **Illustrative Example**

NC HIE Sustainability Plan – Proposed Initiative Areas for consideration (Sustainable operations by 2012)

Illustration of Potential Initiatives by Type (Red indicates analysis focus)

| | |
|--------------|--|
| CORE | 1. Summary Patient Record Exchange (ER, In-Patient, Out-Patient) |
| | 2. Test Results Reporting (Lab and Radiology) |
| EXTEND VALUE | 3. Medication Management (Meds History, ePrescribing, Meds Reconciliation) |
| | 4. Consumer / Provider Comm. (Permissions, Access Secure eMail, Requests) |
| | 5. Provider / Provider Communication (Secure eMail, Referral Workflow) |
| | 6. Federal Agency Program Automation (SSA, Wounded Warrior) |
| | 7. Administrative Health Plan Data Exchange (Eligibility/Auth., EHR-Lite) |
| TRANS-FORM | 8. Patient Centered Medical Home Automation (Care Mgmt. Dashboards) |
| | 9. Population Health Automation (Registries, Case Reporting, Immunization) |
| | 10. Health Analytics (Quality Measures and Decision Support) |

Improving health and care in North Carolina by accelerating the adoption of information technology and enabling policies

North Carolina Healthcare Information and Communications Alliance, Inc.

NC HIE Council Committees

Quality of Care and Evaluation Committee

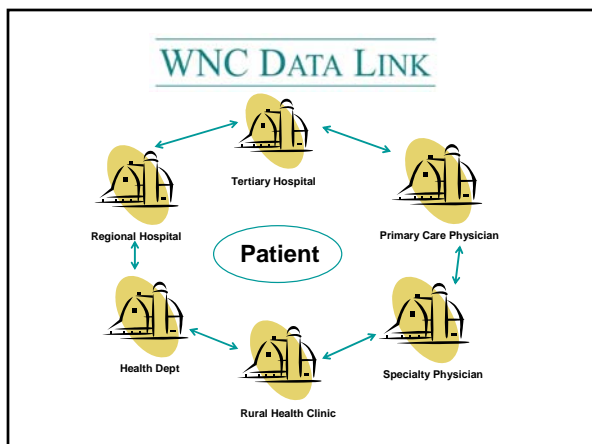
- Ed Ermini & John Kessler
- Facilitation offer from Sue West - RTI
- September kickoff planned
 - Recruiting needed
- Relationship with
 - NCMS Quality of Care & Performance Improvement Cmte.
 - NCHA Center for Hospital Quality & Patient Safety
 - NC Pharmacists Association Quality Assurance
 - Governor's Quality Initiative, Etc.
- HHS Chartered Value Exchange application in Oct.

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WNC DATA LINK

Western North Carolina Hospitals

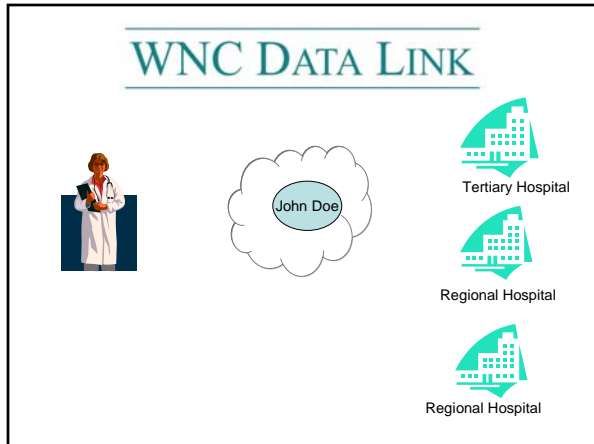
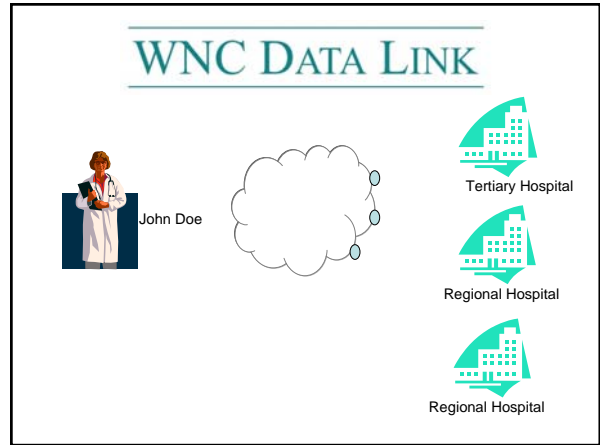
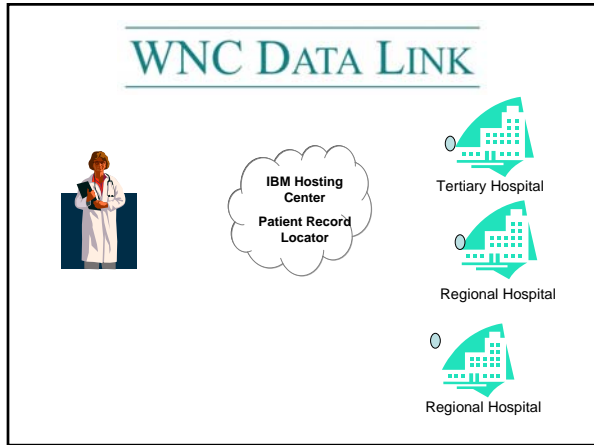
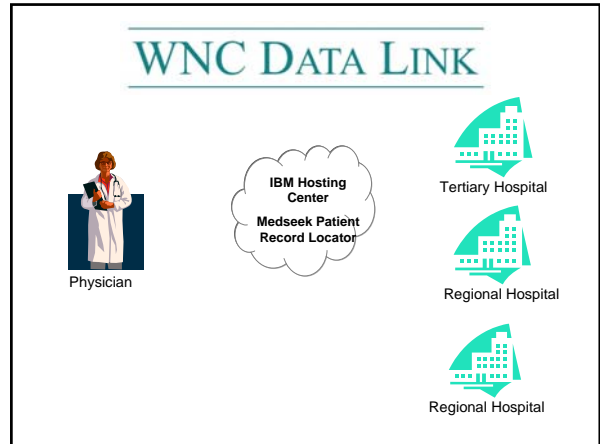
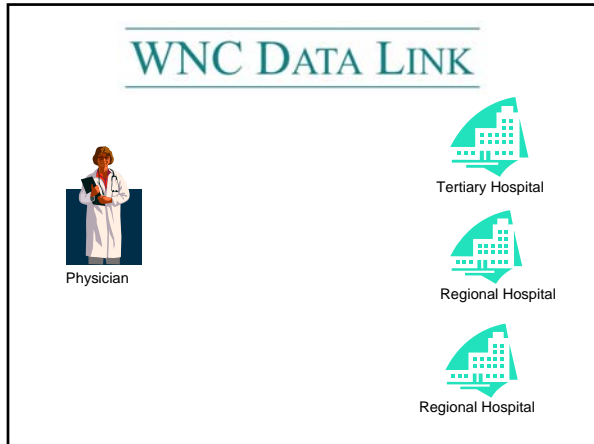
| | |
|-------------------------------------|----------------------------------|
| Angel Medical Center | Pardee Hospital |
| Cherokee Indian Hospital | Park Ridge Hospital |
| Community CarePartners/Thoms | Rutherford Hospital |
| Harris Regional Hospital (WestCare) | St. Luke's Hospital |
| Haywood Regional Medical Center | Spruce Pine Community Hospital |
| Highlands-Cashiers Hospital | Swain County Hospital (WestCare) |
| Mission Hospitals | The McDowell Hospital |
| Murphy Medical Center | Transylvania Community Hospital |



WNC DATA LINK

Project Parameters

- No central data repository or warehouse
 - Electronic records reside at each facility
- No common information system
 - Each facility retains its existing information system
- Begin with linking 16 WNC hospitals



- ### WNC DATA LINK
- #### Patient Data Available
- **Currently in Data Link:**
 - Patient demographics
 - Lab & microbiology results
 - Medications ordered
 - Radiology reports
 - Transcribed reports (discharge summaries, H&Ps)
 - **Soon to be Added:**
 - Allergies
 - Additional med history
 - Physician EMRs

HEALTH WNC DATA LINK
WNC DATA LINK

For your protection access to this system is logged.

Username:
 Password:

Transcribed reports are now available in Data Link.
 The following hospitals are now live on Data Link:

- Angel Medical Center
- CarePartners Health Services
- Harris Regional Hospital
- Highland Regional Medical Center
- Highlands-Cashiers Hospital
- McDowell Hospital
- Mission Hospital
- Murphy Medical Center
- Rutherford Hospital
- Spruce Pine Community Hospital
- St. Luke's Hospital
- Swain County Hospital
- Transylvania Community Hospital

Search

MFI: SSN:
 Last Name: Sharp First Name: Anna DOB (mm/dd/yyyy): 12/21/95
 Hospital:

HEALTH WNC DATA LINK
WNC DATA LINK

MEDSEEK

MEDSEEK

Current Patient

Full Name: SHARP TEST, ANNA MFI: 0000118 Account Number: 000000117
 DALE SSN: ##-##-8878 Gender: F
 Admit Date: 02/05/2007 Date of Birth: 12/21/1995 Hospital: Rutherford
 Discharge Date:

Show matches for this patient at other participating WNC Data Link hospitals.

HEALTH WNC DATA LINK
WNC DATA LINK

MEDSEEK

Visits

Current Patient

Full Name: SHARP TEST, ANNA MFI: 0000118 Account Number: 000000117
 DALE SSN: ##-##-8878 Gender: F
 Admit Date: 02/05/2007 Date of Birth: 12/21/1995 Hospital: Rutherford
 Discharge Date:

Show matches for this patient at other participating WNC Data Link hospitals.

Patient Accounts

| Account Number | Admit Date | Discharge Date | Type | Reason | Hospital |
|----------------|------------|----------------|--------|------------------------|------------|
| 0000118 | 06/01/2007 | | CHIRCA | NECK PAIN | Rutherford |
| 000000117 | 02/05/2007 | 01/05/2007 | IN | TESTING DATA LINK | Rutherford |
| 000000118 | 01/04/2008 | 01/05/2007 | IN | TESTING FOR HANDBALISM | Rutherford |
| 0000000076 | 12/02/2005 | | IN | LABOR | Angel |

Total of 4 visits found

HEALTH WNC DATA LINK
WNC DATA LINK

MEDSEEK

Admissions

Current Patient

Full Name: SHARP TEST, ANNA MFI: 0000118 Account Number: 000000117
 DALE SSN: ##-##-8878 Gender: F
 Admit Date: 02/05/2007 Date of Birth: 12/21/1995 Hospital: Rutherford
 Discharge Date:

Show matches for this patient at other participating WNC Data Link hospitals.

Admissions

| Patient | Control | Outstate | Additional Information | Insurance | State/Zip | Care Area Data |
|--|-------------|-------------------------------------|------------------------------|-----------|-----------|----------------|
| Address: 807 THIRD STREET RUTHERFORD, NJ 07070 | | | | | | |
| Gender: F | Age: 50 | MRN's Name: SHARP, ANNA DALE | Admit Source: EMERGENCY ROOM | | | |
| Marital Status: MARRIED | Race: White | Master/Other Name: SHARP, ANNA DALE | Last Hospital: LIND HOSPITAL | | | |
| Date of Birth: 12/21/1995 | Region: | | Confidentiality: N | | | |
| Attending Doctor: Schilling, Anna | | | VIP: N | | | |
| Attending Doctor: Schilling, Anna | | | Discharge Diagnosis: | | | |
| ER Doctor: Schilling, Anna | | | Discharge Comment: | | | |
| Primary Care Doctor: Schilling, Anna | | | | | | |
| Family Care Doctor: Schilling, Anna | | | | | | |
| Consulting Doctors: | | | | | | |

HEALTH WNC DATA LINK
WNC DATA LINK

MEDSEEK

Labs

Current Patient

Full Name: SHARP TEST, ANNA MFI: 0000118 Account Number: 000000117
 DALE SSN: ##-##-8878 Gender: F
 Admit Date: 02/05/2007 Date of Birth: 12/21/1995 Hospital: Rutherford
 Discharge Date:

Show matches for this patient at other participating WNC Data Link hospitals.

Labs

Display: Days Back: View Labs:

| REF | STATUS | DATE | TIME | PHA | HOSPITAL |
|--|----------|------------|-------|-----|------------|
| <input type="checkbox"/> PROTHROMBIN TIME & PTT | Complete | 02/05/2007 | 14:57 | | Rutherford |
| <input type="checkbox"/> SERUM URINE UREA C | Complete | 08/05/2006 | 08:30 | | Hierwood |
| <input type="checkbox"/> ELECTROLYTES | Complete | 08/05/2006 | 08:30 | | Hierwood |
| <input type="checkbox"/> BLOOD UREA NITROGEN (BUN) | Complete | 08/05/2006 | 08:30 | | Hierwood |
| <input type="checkbox"/> CALCIUM | Complete | 12/05/2005 | 08:37 | | Angel |
| <input type="checkbox"/> HEMOLYSA HEMATOLOGE | Complete | 12/05/2005 | 08:37 | | Angel |
| <input type="checkbox"/> URINALYSIS | Complete | 12/05/2005 | 08:37 | | Angel |
| <input type="checkbox"/> URINALYSIS2 | Complete | 12/05/2005 | 08:37 | | Angel |

Check All - Uncheck All

Total of 8 reports found

HEALTH WNC DATA LINK
WNC DATA LINK

MEDSEEK

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

LabS Search Patient List Preferences Logout

Current Patient Collapse

Full Name: SHARP TEST ANNA DALE MFI: H000116 Account Number: 000000157
 Admit Date: 02/05/2007 SSN: ##-##-3676 Date of Birth: 12/22/1956 Gender: F Hospital: Rubenford
 Discharge Date: Show matches for this patient at other participating WNC Data Link hospitals.

Admissions Pack Sheet Labs More Pharmacy Radiology Transcription Rounding Report Vista

Labs List Lab Detail Printable report

Ordered: ELECTROLYTES Request #: 0000106
 Collected Date: 06/03/2006 08:30 Entered Date: 06/03/2006 15:01
 Status: Complete Other Doctor:
 Specimen #: 0608-000039 Submitting Doctor: SHARPFON, JENNIFER R. M.D.
 Received Date: 06/03/2006 14:39

| Test | Result | Reference | Units |
|----------------------------|---------|-----------|--------|
| SODIUM (Na+) (NA+) | 155 (H) | 136-145 | MMOL/L |
| POTASSIUM (K+) (K+) | 5.5 (H) | 3.5-5.1 | MMOL/L |
| CHLORIDE (CL) (CL-) | 105 | 97-109 | MMOL/L |
| CARBON DIOXIDE (CO2) (CO2) | 28 | 23-32 | MMOL/L |
| ANION GAP (AGAP) | 20 (H) | 8-16 | |

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

Pharmacy Search Patient List Preferences Logout

Current Patient Collapse

Full Name: SHARP TEST ANNA DALE MFI: H000116 Account Number: 000000157
 Admit Date: 02/05/2007 SSN: ##-##-3676 Date of Birth: 12/22/1956 Gender: F Hospital: Rubenford
 Discharge Date: Show matches for this patient at other participating WNC Data Link hospitals.

Admissions Pack Sheet Labs More Pharmacy Radiology Transcription Rounding Report Vista

Pharmacy Detail Pharmacy List All at All WNC Hospitals Printable report

| Ref # | Name | Dose | Strength | Route | Batch | Unit | Order Date | Order Status | Hospital |
|--------|--------------------------------|---------|----------|-------|------------|------------|------------|--------------|-----------|
| 000000 | LEVULBUTOL | 1.25 MG | PO/BI | NEB | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000001 | LEVULBUTOL | 300 MG | ORAL | PO | 02/05/2007 | 02/05/2007 | 02/05/2007 | 02/05/2007 | Rubenford |
| 000002 | MALNESTAN CITRATE | 200 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000003 | APREPIDINE | 15 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000004 | ZIFENICAR | 20 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000005 | CALCIUM CITRATE | 100 | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000006 | CALCIUM CITRATE | 300 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000007 | CHLORIDE | 300 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000008 | PAINEX (CODEINE FOR HUMAN USE) | 1 VAL | SI | IM | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000009 | TRICLOXON BENZATE | 2 MG | AC | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000010 | HEXOSIS | 1 BOX | AC | IM | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000011 | CEFTIOXIME IN INJECTION | 30 ML | ORAL | IV | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000012 | ADD: CEFTIOXIME | 1.0M | ORAL | IV | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000013 | CEFTIOXIME IN INJECTION | 50 ML | ORAL | IV | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000014 | ADD: CEFTIOXIME | 1.0M | ORAL | IV | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000015 | MEDICATIONS | 10 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000016 | LEVULBUTOL | 1.25 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000017 | LEVULBUTOL | 100 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |
| 000018 | RAMIPRIL | 150 MG | ORAL | PO | 02/05/2007 | 04/05/2007 | 04/05/2007 | 04/05/2007 | Rubenford |

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

Radiology Search Patient List Preferences Logout

Current Patient Collapse

Full Name: SHARP TEST ANNA DALE MFI: H000116 Account Number: 000000157
 Admit Date: 02/05/2007 SSN: ##-##-3676 Date of Birth: 12/22/1956 Gender: F Hospital: Rubenford
 Discharge Date: Show matches for this patient at other participating WNC Data Link hospitals.

Admissions Pack Sheet Labs More Pharmacy Radiology Transcription Rounding Report Vista

Radiology Detail Radiology List All at All WNC Hospitals Printable report

| Name | Date | Status | Hospital |
|-------------------------------|------------|---------|-----------|
| COMPLETE ABDOMINAL ULTRASOUND | 02/05/2007 | ORDERED | Rubenford |
| MELIFLUX | 07/01/2006 | SHARED | Haywood |
| US ABD L+R+OB+PANCS+BLDD | 07/01/2006 | SHARED | Haywood |
| BLDD+VTE+CONTRAST | 12/06/2005 | SHARED | Ashe |

Total of 4 reports found.

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

Radiology Search Patient List Preferences Logout

Current Patient Collapse

Full Name: SHARP TEST ANNA DALE MFI: H000116 Account Number: 000000157
 Admit Date: 02/05/2007 SSN: ##-##-3676 Date of Birth: 12/22/1956 Gender: F Hospital: Rubenford
 Discharge Date: Show matches for this patient at other participating WNC Data Link hospitals.

Admissions Pack Sheet Labs More Pharmacy Radiology Transcription Rounding Report Vista

Radiology Detail Radiology List All at All WNC Hospitals Printable report

Name: SINUS WITH CONTRAST
 Status: SHARED
 Report Date: 12/05/2005

Ordered By: BURRELL, ADAM MD
 Reported By: SCOTT M. PETTY, M.D.

EXAM TYPE/EXAM RESULT

0000000015 CT/SINUS WITH CONTRAST

CLINICAL HISTORY:

SINUS CT: Routine computed tomography of the paranasal sinuses was performed without intravenous contrast.

The paranasal sinuses are clear. The ossiomaxillary complex are widely patent bilaterally. The nasal passages are unremarkable in appearance.

IMPRESSION: Unremarkable paranasal sinus CT.

Reported By: SCOTT M. PETTY, M.D.

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

Transcription Search Patient List Preferences Logout

Current Patient Collapse

Full Name: SHARP TEST ANNA DALE MFI: H000116 Account Number: 000000157
 Admit Date: 02/05/2007 SSN: ##-##-3676 Date of Birth: 12/22/1956 Gender: F Hospital: Rubenford
 Discharge Date: Show matches for this patient at other participating WNC Data Link hospitals.

Admissions Pack Sheet Labs More Pharmacy Radiology Transcription Rounding Report Vista

Transcription Detail Transcription List All at All WNC Hospitals Printable report

| Name | Date | Status | Hospital |
|----------------------|------------|----------|-----------|
| History and Physical | 02/05/2007 | Eligible | Rubenford |
| History and Physical | 02/05/2007 | Eligible | Rubenford |

Total of 2 reports found.

HEALTH SERVICES WNC DATA LINK powered by MEDSEEK

User Access

- Access is provided to physicians, physician office staff, ED RNs, hospital case mgrs
 - Physician includes MD, PA, NP, DOM, DPM, DDS, PsyD, CNM, CRNA and residents
 - Must have pre-existing relationship with patient to view data
 - Exception for emergencies and other situations; must electronically sign consent to "break the glass"

WNC DATA LINK

Project Phases

•Phase I (2006 - 2008)

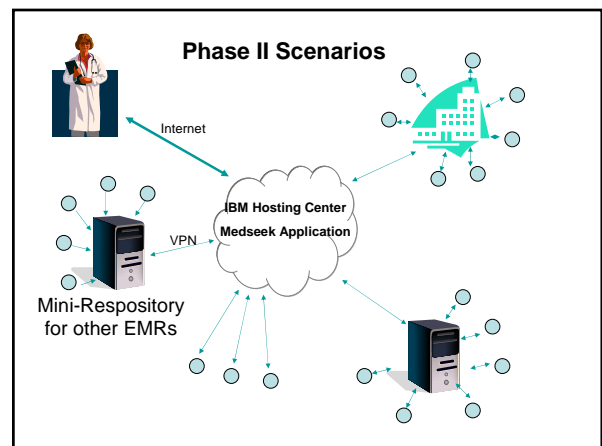
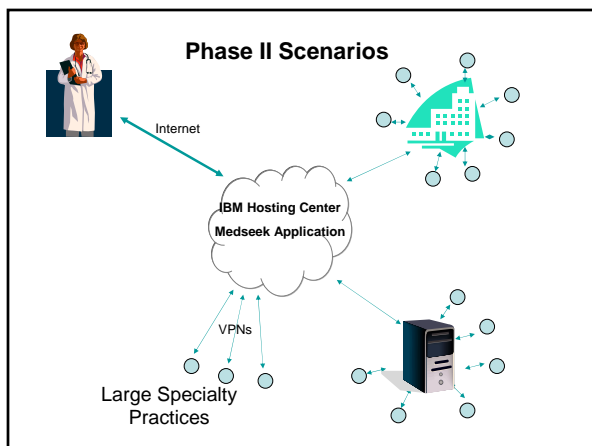
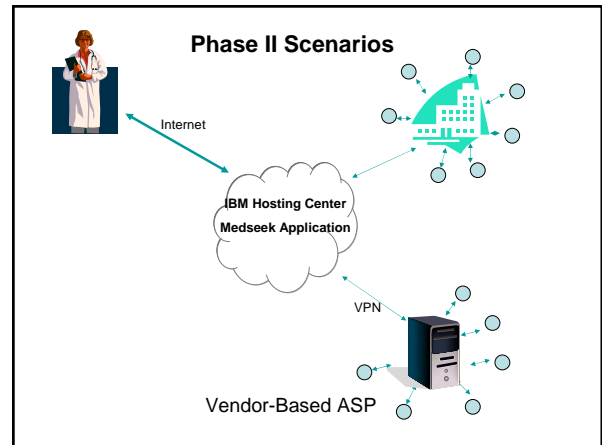
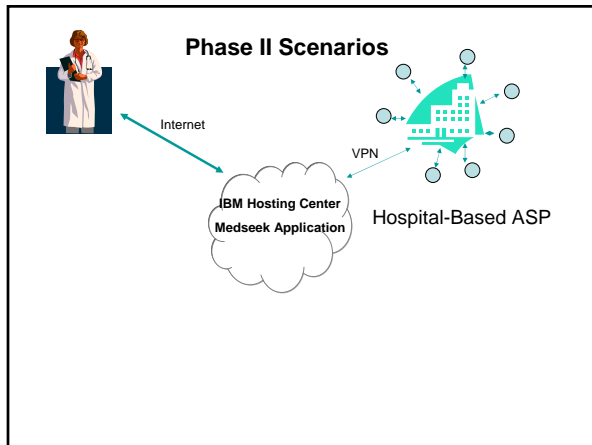
- 16 WNC hospitals now live on system:
- Angel, Blue Ridge, CarePartners, Cherokee, Harris, Haywood, Highlands-Cashiers, McDowell, Mission, Murphy, Pardee, Park Ridge, Rutherford, St. Luke's, Swain & Transylvania

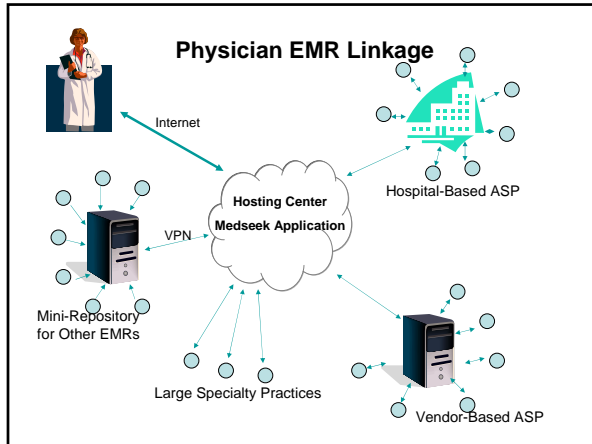
WNC DATA LINK

Project Phases

•Phase II (2008 -)

- Begin connecting other health care providers' clinical data
 - Physician offices
 - Rural health clinics
 - Health departments
- Begin linking with additional data
 - Medication histories





WNC DATA LINK

Project Funding

- Sparked interest from Congressman Taylor
 - Obtained \$2.5 million in federal grants
- Duke Endowment contributed \$1million
- WNC Hospitals dividing the ongoing operational costs
 - \$380k/year for hosting and maintenance

WNC DATA LINK

Gary.Bowers@wnchn.org
828-257-2983

NC HIE Council Task Force

Mental Health Task Force

- Sally Cameron & Mary Tripp
- Coordination with NC DHHS
- Met May 23rd with VA, SSA, Federal representatives
- Addressing the Mental Health Needs of Returning Combat Veterans in the Community Grant

Stakeholder Relations

Regional Meetings

- This morning - August 1st Asheville
- Collaboration with NC GQI
- Charlotte, Triangle, Southeast

NCHICA North Carolina Healthcare Information and Communications Alliance, Inc.

Upcoming Meetings

NC HIE Council

- Sept., 9th 7:45 AM NCHICA Annual Conference
- October 7th? 2-4 PM NCHICA Offices
- Nov. Joint Meeting with NCHICA Board
 - Strategic Planning

NC HIE Council Committees

| Policy Development & | Finance & Administration | |
|-------------------------------------|--------------------------|--------|
| • Aug 27 th 11:00 AM & | 2:00 PM | NCHICA |
| • Sept. 24 th 11:00 AM & | 2:00 PM | NCHICA |
| • Oct. 22 nd 11:00 AM & | 2:00 PM | NCHICA |

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