



	11. Technical Panel	Walter Weir
	<ul style="list-style-type: none"> <li>a. Membership Update</li> <li>b. Enterprise Projects - Status Report</li> </ul>	
11:45am	12. Informational Updates	Ed Toner
	<ul style="list-style-type: none"> <li>a. Audit</li> <li>b. Next NITC Meeting Preview</li> </ul>	
12:00pm	13. Adjournment	Chair

\* Action item

The Nebraska Information Technology Commission will attempt to adhere to the sequence of the published agenda, but reserves the right to adjust the order of items if necessary and may elect to take action on any of the items listed.

Meeting notice was posted to the NITC website and the Nebraska Public Meeting Calendar on June 25, 2015. The agenda was posted to the NITC website on July 17, 2015.

[Nebraska Open Meetings Act](#)

## **NEBRASKA INFORMATION TECHNOLOGY COMMISSION**

May 21, 2015, 2:00 P.M.

### **Main Site:**

Lincoln Executive Building  
521 South 14th Street – Room 103  
Lincoln, Nebraska

### **Video Conference Site [NEB. REV. STAT. § 84-1411(2)]:**

Vocational Rehabilitation Services  
505 Broadway #A131  
Scottsbluff, Nebraska

### **MINUTES**

#### **MEMBERS PRESENT:**

Felix Davidson, Governor's Office, Chair  
Brad Moline, Allo Communications  
Dr. Terry Haack, Bennington Public Schools  
Dorest Harvey, USSTRACTCOM/AFLCMS-HBCC  
Randy Meininger, City of Scottsbluff (Scottsbluff site)  
Gary Warren, Hamilton Telecommunications  
Walter Weir, University of Nebraska

**MEMBERS ABSENT:** Donna Hammack, Saint Elizabeth Foundation; Senator Curt Friesen, Nebraska Legislature; and Dan Shundoff, Intellicom

#### **ROLL CALL, NOTICE OF MEETING & OPEN MEETINGS ACT INFORMATION**

The meeting was called to order at 2:00 p.m. Roll call was taken. A quorum was present. The meeting notice was posted to the NITC website and the Nebraska Public Meeting Calendar on May 4, 2015. The agenda was posted to the NITC website on May 12, 2015. A copy of the Nebraska Open Meetings Act was available on a table in the back of the meeting room.

#### **APPROVAL OF MARCH 27, 2015 MINUTES**

Commissioner Weir moved to approve the **March 27, 2015** minutes as presented. Commissioner Harvey seconded. Roll call vote: Davidson-Yes, Haack-Yes, Harvey-Yes, Meininger-Yes, Moline-Yes, Warren-Yes and Weir-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

#### **PUBLIC COMMENT**

There was no public comment.

#### **STATEWIDE TECHNOLOGY PLAN; **APPROVAL OF STRATEGIC INITIATIVES\*****

The NITC staff, with input from the Chair and advisory councils, developed recommendations for updating the list of strategic initiatives addressed in the Statewide Technology Plan. Chair Davidson also recommended the addition of two new initiatives: State IT Spending Analysis and Cloud IT Strategy.

Network Nebraska. Network Nebraska interconnects disparate networks into a multipurpose core backbone extending from Omaha to Lincoln to Grand Island and Scottsbluff, with Ethernet clouds and aggregated Internet service extending out to the furthest corners of the state. Staff recommended continuing this initiative.

The Education Council Co-Chairs, Mary Niemiec and Gary Needham, and council member John Dunning, were present to answer any questions. Network Nebraska has led to significant cost savings for participants. Although this enterprise project is considered complete, it will go out for rebid this fall which will make it an enterprise project once again.

Community IT Planning and Development. Although broadband availability in Nebraska continues to improve, some areas of the state are underserved or unserved. This strategic initiative leverages the resources of partner organizations in the state to stimulate demand for broadband by helping communities, businesses, and residents understand how to use new technologies. Staff recommended continuing this initiative, but changing the name to "Broadband-Related Development."

Commissioners felt that this action item should be continued, but recommended that NITC staff come up with a more descriptive name.

eHealth. This initiative supports the adoption of electronic health records, e-prescribing, and health information exchange through NeHII (Nebraska Health Information Initiative). Staff recommended continuing this initiative.

Brenda Decker commented that sustainability of health information exchanges remains a challenge. Unfortunately, eBHIN (Electronic Behavioral Health Information Network) has ceased operations. The eHealth Council has engaged in discussions with the Nebraska Department of Health and Human Services Division of Behavioral Health about how to best involve behavioral health providers and consumers in health information exchange. There is also a need for assistance in integrating health information exchange into the provider's workflow. At the last meeting, the NITC approved a federal grant that included training for physicians and other health care providers. Ms. Byers commented that health IT can also be used to help consumers better manage their care.

Public Safety Communications Systems. The Nebraska Statewide Radio System serves local, state and federal agencies, and public utilities across the state. The system was funded through a partnership between the State and Nebraska Public Power District (NPPD) to jointly own, manage and operate the system. State and local agencies are using the system and learning about the many new capabilities. Staff recommended discontinuing this initiative and moving any related action items to the State Government IT Strategy strategic initiative.

Commissioners asked about the relationship between the Nebraska Statewide Radio System and FirstNet. Brenda Decker explained that the federal government is in the process of building its own broadband system for first responders called FirstNet. The federal government will present a federal plan for FirstNet implementation in Nebraska to Governor Ricketts. He will either approve moving ahead with the federal plan for Nebraska or decide to build a State system which would communicate with the federal system.

Digital Education. The Digital Education initiative will involve the coordination and promotion of several major systems and applications that heretofore have either been developed mostly at the local level or have not been replicated statewide. Initiative progress will be dependent upon

adequate Internet connectivity and transport bandwidth for learners, instructors, administrators, and for educational attendance sites. A minimum acceptable level of classroom technology will have to be established for the initiative to be successful. Staff recommended continuing this strategic initiative, but refocusing the initiative on curricular infrastructure.

Mr. Dunning, Education Council member, informed the Commissioners that all educational entities have been working towards digital education and have been collecting data at all levels. Network Nebraska broke down communication barriers between K12, higher education and state government. Education entities all came to the table over the past nine years to make this statewide project successful for all involved. Curricular infrastructure has been discussed as a possible refocusing of the Digital Education Initiative. Commissioner Haack commented that often universities and colleges in Nebraska will accept high school classes taken for college credit as elective credits, but not as credit for required courses. This is a barrier to expanding digital education.

State Government Efficiency. The primary components of this initiative are the implementation of shared services and the development of standards and guidelines. Staff recommended continuing this initiative but renaming it “State Government IT Strategy.”

eGovernment. This initiative furthers the use of e-government to improve services and increase the efficiency and effectiveness of agencies. E-government services have matured and are now offered by many agencies. Staff recommended discontinuing this initiative and moving related action items to the State Government IT Strategy initiative.

Nebraska Spatial Data Infrastructure (NESDI). The objective of this initiative is to develop and foster an environment and infrastructure that optimizes the efficient use of geospatial technology, data, and services to address a wide variety of business and governmental challenges within the state. Staff recommended continuing this initiative. Commissioner Weir commended Nathan Watermeier, State GIS Coordinator, for his and the GIS Council’s work in developing the standards and guidelines.

Security and Business Resumption. The objective of this initiative is to define and clarify policies, standards and guidelines, and responsibilities related to the security of the State's information technology resources. Staff, with additional input from the Chair and State Government Council, recommended refocusing this initiative on security. Business resumption and disaster recovery would be led by the Department of Administrative Services.

For the summer meeting, the Commissioners requested the following information for each of the strategic initiatives:

- Challenges and barriers
- Metrics

Commissioners recommended that NITC staff focus on the objectives when determining the metrics. Historical patterns, federal standards, and industry standards could be helpful.

Commissioner Haack requested the involvement of the NITC advisory councils in determining the metrics as well.

**Commissioner Haack moved to approve the staff recommendations with the following changes:**

- **Rename the Community IT Planning and Development initiative;**

- Continue the Security initiative but remove the Business Resumption section and rename accordingly; and
- Add a new Cloud Strategy initiative.

**Commissioner Warren seconded. Roll call vote: Weir-Yes, Warren-Yes, Moline-Yes, Meininger-Yes, Harvey-Yes, Haack-Yes and Davidson-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.**

## **OTHER BUSINESS**

Brenda Decker, Acting Chief Information Officer

All commissioners received information regarding setting a regular meeting schedule. The next two meeting dates are July 23 and November 12.

Commissioners were sent materials providing an overview of the NITC. Brenda Decker asked commissioners for their recommendations and suggestions regarding the orientation materials for new commissioners.

## **ADJOURNMENT**

There was no further business.

**Commissioner Harvey moved to adjourn. Commissioner Haack seconded. All were in favor. Motion carried.**

The meeting was adjourned at 3:40 p.m.

Meeting minutes were recorded by Lori Lopez Urdiales and reviewed by the staff of the NITC.

# NITC Strategic Initiatives

## Overview and Staff Recommendations

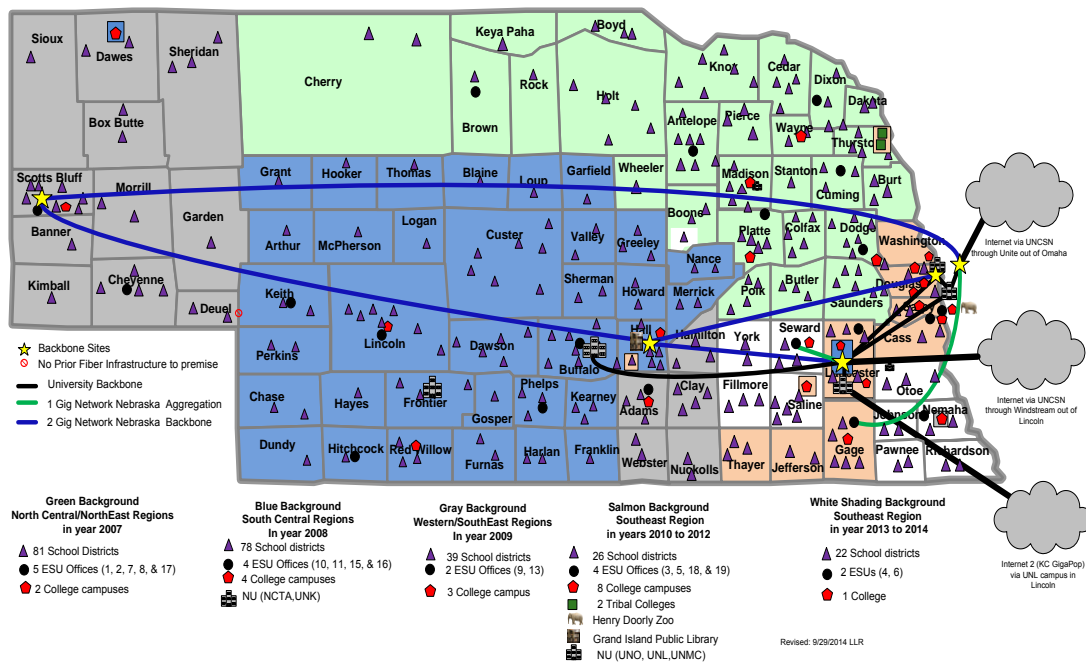
July 14, 2015

Strategic Initiatives	Status
Network Nebraska	Updated
Community IT Development	Updated, renamed
eHealth	Updated
Digital Education	Updated
State Government IT Strategy	Updated, renamed
Nebraska Spatial Data Infrastructure (NESDI)	Continue
IT Security	Updated, renamed
Cloud Strategy	Under Development
State IT Spending Analysis	Under Development

# Network Nebraska

**Objective:** To develop a broadband, scalable telecommunications infrastructure that optimizes the quality of service to every public entity in the State of Nebraska.

**Description:** Network Nebraska interconnects disparate networks into a multipurpose core backbone extending from Omaha to Lincoln to Grand Island and Scottsbluff, with Ethernet clouds and aggregated Internet service extending out to the furthest corners of the state.



## Collaborators

- Collaborative Aggregation Partnership: Office of the CIO, University of Nebraska Computing Services Network, Nebraska Educational Telecommunications, Public Service Commission, Nebraska Department of Education, Nebraska Information Technology Commission
- Network Nebraska Advisory Group: 8 K-12 members; 8 higher education members
- Educational Service Unit (ESU) Coordinating Council, ESU-Network Operations Committee, ESU-Distance education Advisory Committee, higher education chief technology officers

## Strengths/Assets

- Nearly every K-12 school district, educational service unit, and public college and university participate in Network Nebraska and share in its annual costs
- Network Nebraska is a completely voluntary, self-funded project, which contributes to its resilience, sustainability and focus on customer service
- Shared personnel support within the Office of the CIO, Administrative Services, and the University of Nebraska Computing Services Network contributes to its ultra-low cost and affordability
- Having all of the K-20 education entities on Network Nebraska provides not only a sense of pride in ownership of the network, but the daily offsets in Internet access peaks between K-12 and higher education also saves on the cost of Internet access



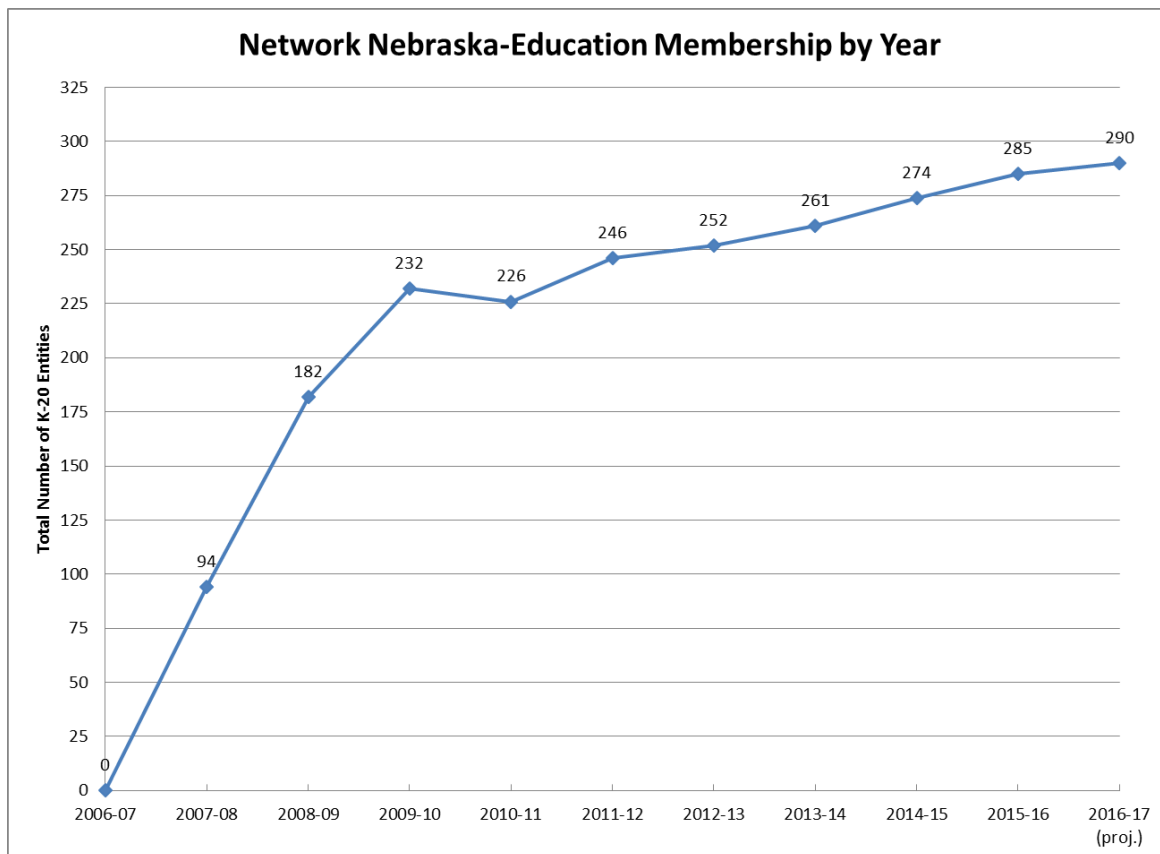
## Challenges

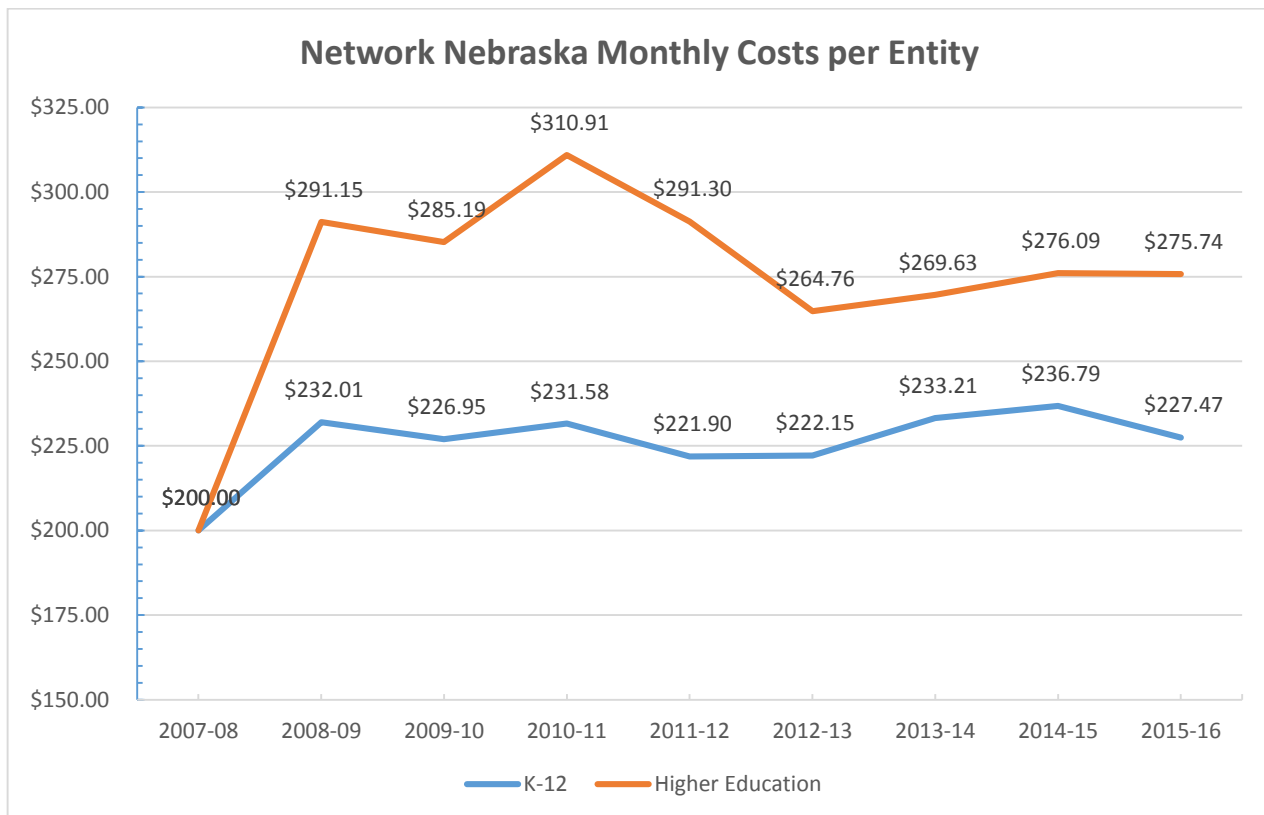
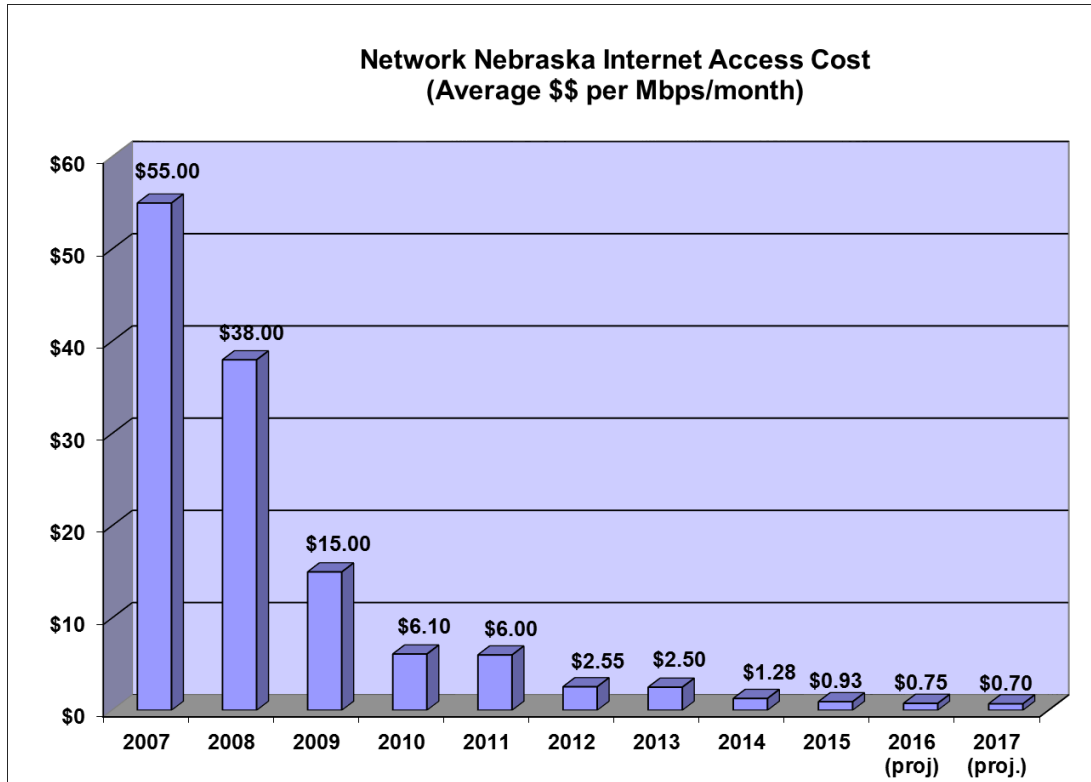
- The absence of full-time network employees reduces the capacity of such things as marketing, communications, research & development, and customer follow-up
- The Network Nebraska cost recovery rates, although small in comparison to other state networks, are still above what rural public libraries and private K-12 schools can afford to pay.

## Recent Accomplishments

- Increased public school district participation to 99.6% starting 7/1/2015
- Public higher education participation at 100% by 7/1/2012
- Achieved one of the lowest commodity Internet rates in the entire country, made possible through aggregation of demand and statewide bidding
- Achieved 100% retention of voluntary membership, now reaching 290 entities by 7/1/2015

## Metrics

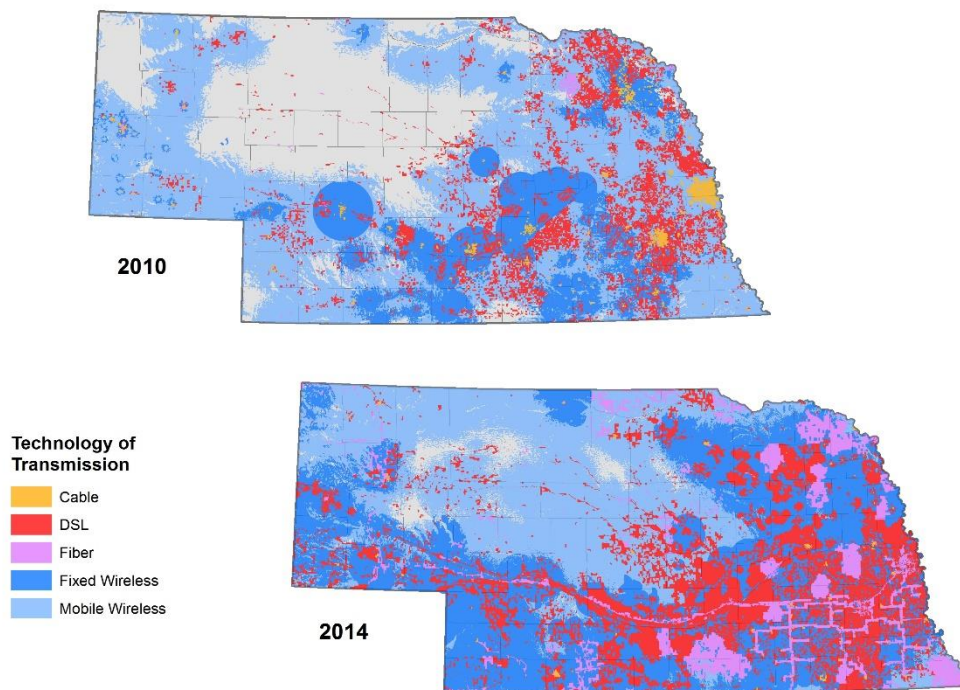




## Community IT Development

**Objective:** *To stimulate demand for broadband and foster economic development in Nebraska communities through the effective use of information technology.*

**Description:** Although broadband availability in Nebraska continues to improve, some areas of the state are underserved or unserved. This action item leverages the resources of partner organizations in the state to stimulate demand for broadband and to enhance economic development by helping communities, businesses, and residents understand how to use new technologies.



### Collaborators

- Nebraska Public Service Commission
- University of Nebraska-Lincoln
- AIM
- Nebraska Department of Economic Development
- Nebraska Library Commission
- Other stakeholders

### Strengths/Assets

- Broadband service is available to nearly all Nebraskans, with 99.8% of Nebraskans having access to service with download speeds of greater than 10 Mbps.<sup>3</sup> Nebraska ties for 9<sup>th</sup> on this measure. (June 30, 2014 data from broadbandmap.gov)
- Most households (82%) and nearly all businesses in Nebraska subscribe to broadband service.
- A number of innovative programs are addressing the need for IT professionals. These include coding programs for youth, career academies, internship programs, higher education programs, and code schools.

- The Nebraska Universal Service Fund administered by the Nebraska Public Service Commission provides grants for broadband infrastructure programs. A pilot program in 2015 also provided funding for 5 broadband adoption programs.
- Libraries are key partners in technology training programs in communities. The Nebraska Library Commission's Library Broadband Builds Nebraska Communities grant improved the capacity of libraries to provide public access to computers and the Internet and to serve as essential digital connectors. Through the grant, 147 library outlets received computers, software and other hardware, and broadband connections.
- The Nebraska Information Technology Commission, Nebraska Public Service Commission, University of Nebraska, Nebraska Department of Economic Development and AIM have formed a strong partnership through the Nebraska Broadband Initiative. Even though federal grant funding for broadband mapping and planning is no longer available, partners can leverage existing resources to continue efforts to promote the effective use of technology in communities.

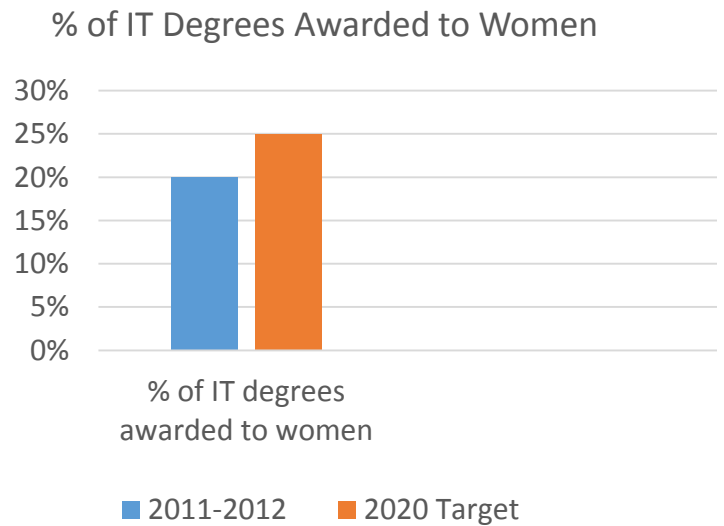
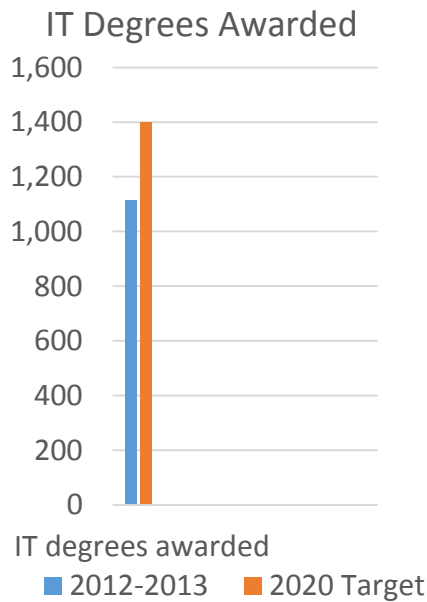
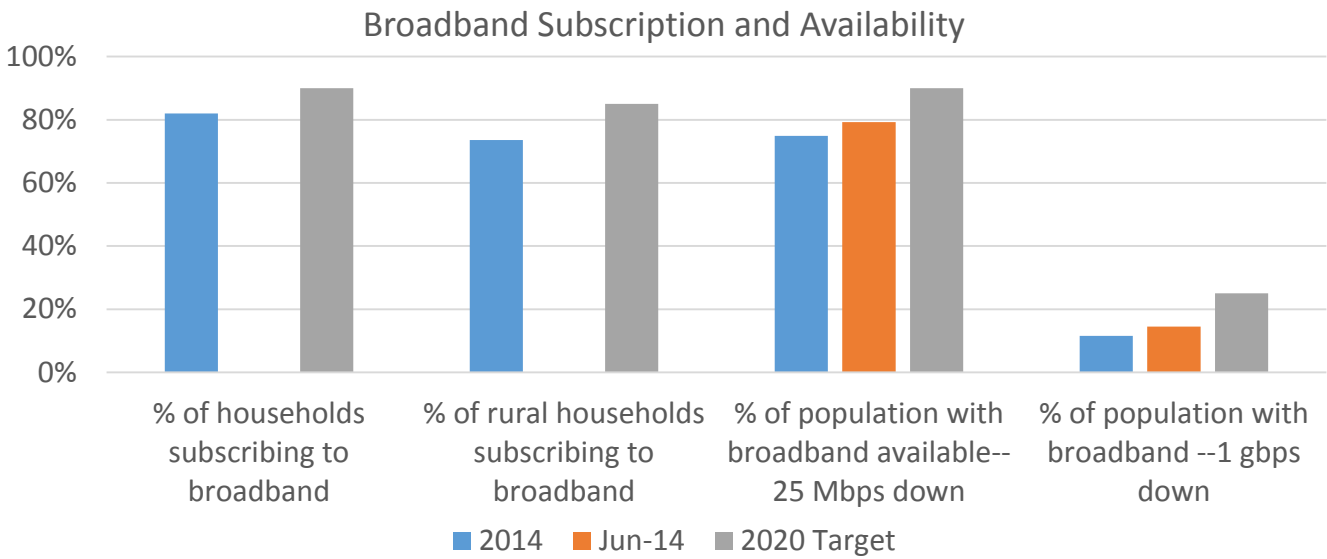
## Challenges

- Approximately 20% of Nebraskans lack access to broadband service with download speeds of greater than 25 Mbps. Limited upload speeds can also be a barrier to utilizing broadband technologies. Twenty-six percent of Nebraskans lack broadband access with upload speeds of over 6 Mbps. (June 30, 2014 data from [broadbandmap.gov](http://broadbandmap.gov))
- Internet applications relying on broadband networks are becoming increasingly important for agricultural producers. Many of these applications use mobile broadband. While most areas of the state have access to mobile broadband, those areas that lack coverage are rural, agricultural areas of the state. This could impede the use of broadband technologies in agriculture.
- Broadband utilization by businesses varies by region and community size, with businesses outside of Lincoln and Omaha and in very small towns reporting lower utilization of Internet technologies. ([Nebraska Broadband eSolutions Benchmarking Report](#))
- Broadband utilization by households also varies by region. Most households in Nebraska (82%) have broadband service. However, there are significant rural-urban differences with subscription rates of 90% in Lincoln and 87% in Omaha, compared to 72% to 77% in other regions of the state. ([Internet Connectivity and Use in Nebraska: A Follow Up Study](#))
- The availability and development of a skilled IT workforce is a key need in Nebraska.
- Limited funding is available for initiatives which promote the effective use of technologies in Nebraska communities.

## Recent Accomplishments

- Development of a state broadband plan (2014)
- Development of a state broadband map (2010-2014)
- Development of a community broadband planning workbook, household and business surveys, and best practice videos
- Annual broadband conferences (2011-2014)

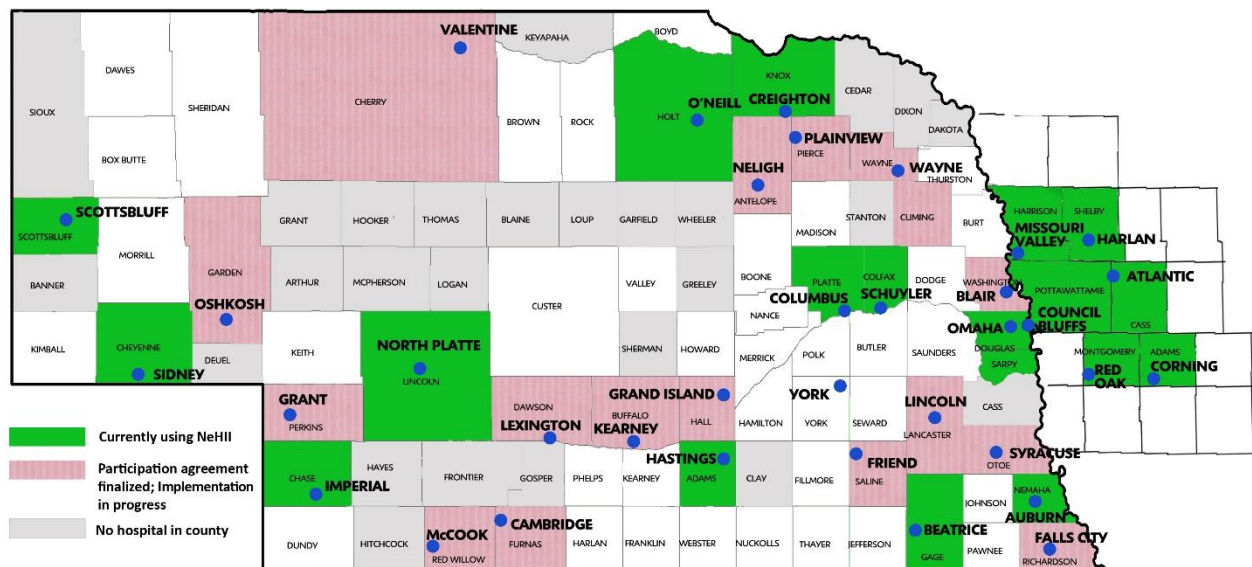
Metrics from Statewide Broadband Plan



## eHealth

**Objective:** To foster the collaborative and innovative use of eHealth technologies through partnerships between public and private sectors, and to encourage communication and coordination among eHealth initiatives in Nebraska.

**Description:** The eHealth Council supports the adoption of electronic health records, e-prescribing, and health information exchange through NeHII (Nebraska Health Information Initiative). The following map shows pending and current NeHII hospital implementations.



### Collaborators

- Nebraska Department of Health and Human Services
- NeHII
- UNMC
- Other stakeholders

### Strengths/Assets

- NeHII is one of the largest statewide health information exchanges in the U.S., with over 4,500 users.
- Nebraska is currently a leader in e-prescribing controlled substances (EPCS).

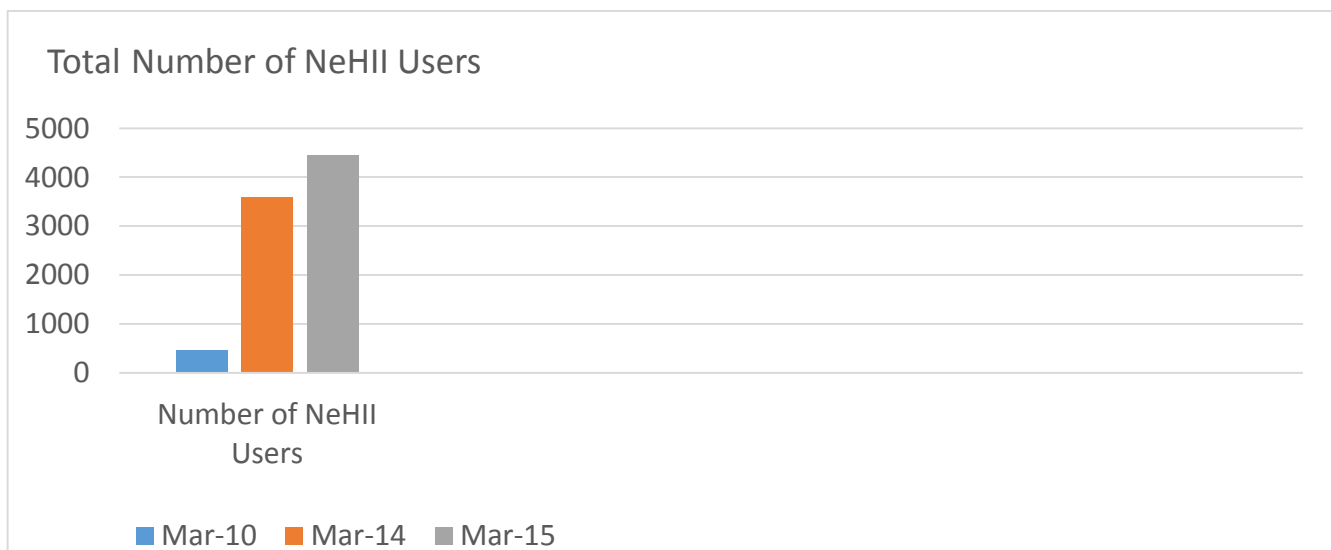
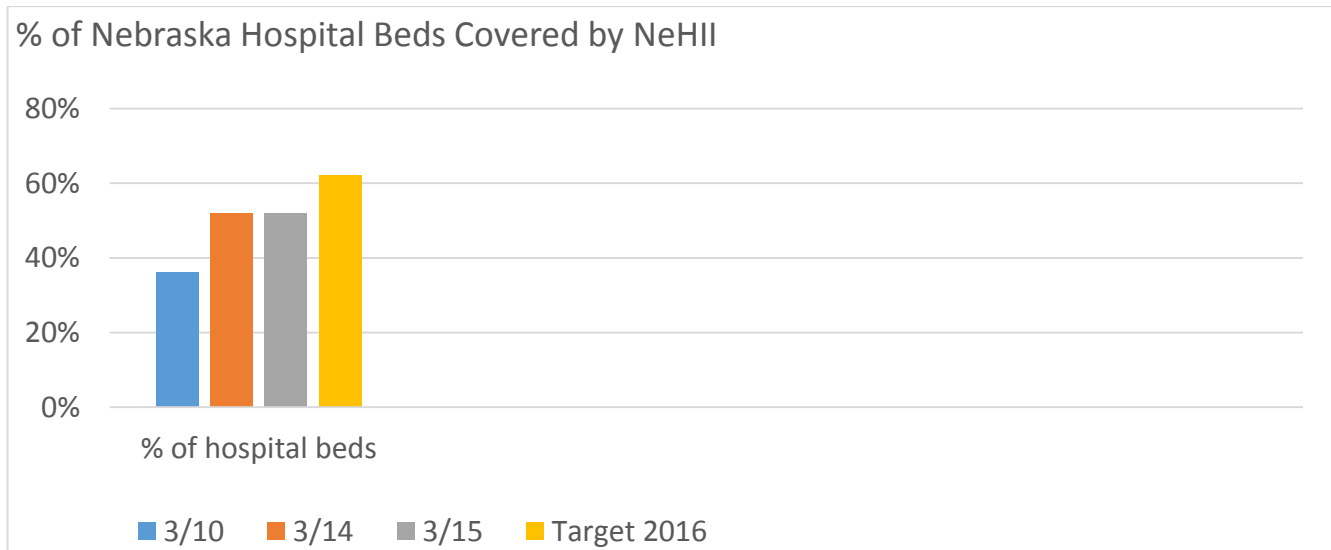
### Challenges

- Interoperability remains a challenge as standards are still being developed.
- Additional efforts may be needed to better integrate health IT into provider workflows.
- Adoption of technologies which allow patients to access their health information and better manage their care may require outreach efforts and education for both health care providers and patients.
- Providers not eligible for Meaningful Use incentive payments (including long-term and post-acute care providers and behavioral health providers) may find investing in health IT to be financially challenging.
- Sustainability of health information exchanges remains a challenge.

### Recent Accomplishments:

- Prepared and submitted an application for nearly \$3 million in grant funding from the Office of the National Coordinator for Health IT (2015).
- Completed a four-year \$6.8 million State Health Information Exchange grant from the Office of the National Coordinator for Health IT (2010-2014). During the four year grant period, the number of NeHII users grew from 464 users to 3,590 users. Nebraska also ranked 13<sup>th</sup> in e-prescribing adoption in 2013, with 89% of physicians e-prescribing.

### Metrics



# Digital Education

**Objective:** *To promote the effective and efficient integration of technology into the instructional, learning, and administrative processes and to utilize technology to deliver enhanced digital educational opportunities to students at all levels throughout Nebraska on an equitable and affordable basis.*

**Description:** The Digital Education initiative will involve the coordination and promotion of several major systems and applications that heretofore have either been developed mostly at the local level or have not been replicated statewide.

Initiative progress will be dependent upon adequate Internet connectivity and transport bandwidth for learners, instructors, administrators, and for educational attendance sites. A minimum acceptable level of classroom technology will have to be established for the initiative to be successful.

## Collaborators

- Educational Service Unit (ESU) Coordinating Council
- ESU BlendEd Initiative
- ESU Distance Education Advisory Committee
- ESU Technology Affiliate Group
- Nebraska Department of Education

## Strengths/Assets

- The enhancement of Digital Education is the combined focus of public and private K-12 entities and public and private higher education entities working together through Network Nebraska
- The recent developments in learning management software, content management software, and longitudinal data tracking and depiction make it a particularly important time to improve on the statewide deployment of these systems
- The high bandwidth transport and Internet capacity of Network Nebraska makes it possible to implement private cloud and public cloud applications to every education entity on Network Nebraska

## Challenges

- While collaboration among entities is strong, the Initiative lacks a “champion” and any additional implementation funding is a scarce commodity

## Recent Accomplishments

- Collaborators and stakeholders testified at the LB 1103 and LB 519 hearings
- ESU collaborators have developed BlendEd briefing materials
- The Nebraska Department of Education has made progress on the Digital Dashboard pilot project involving nine Nebraska school districts

## Metrics

- This strategic initiative is still in its developmental phase and no measures or metrics are apparent at this time



# State Government IT Strategy

**Objective:** To address multiple items improving efficiency in state government, including implementing enterprise shared services and adopting standards and guidelines.

**Description:** The primary components of this initiative are the implementation of shared services and the development of standards and guidelines.

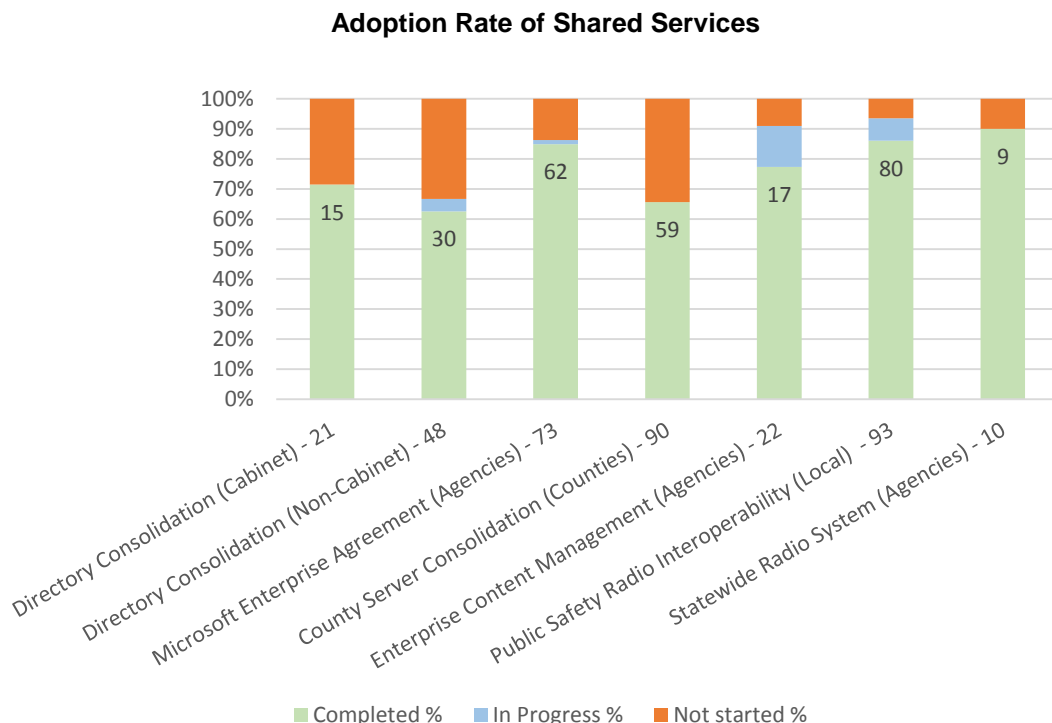
## Collaborators:

- Office of the Chief Information Officer
- State government agencies
- Nebraska.gov

## Recent Accomplishments:

- *Shared Services.* Over the past two years efforts have focused on the following shared services:
  - Enterprise Maintenance / Purchase Agreements. The Office of the CIO manages or supports several enterprise agreements that benefit state agencies. These include: Adobe; Enterprise Content Management (ECM) solutions development; IBM; Microsoft; and the Western States Contracting Alliance (WSCA).
  - E-mail and Collaboration Services
  - Enterprise Content Management
  - Interactive Voice Response
  - Server Virtualization
- *Standards and Guidelines.* In order to encourage interoperability and standardization, over 40 standards and guidelines have been adopted. Within the past two years, 10 new or revised standards and guidelines have been adopted.

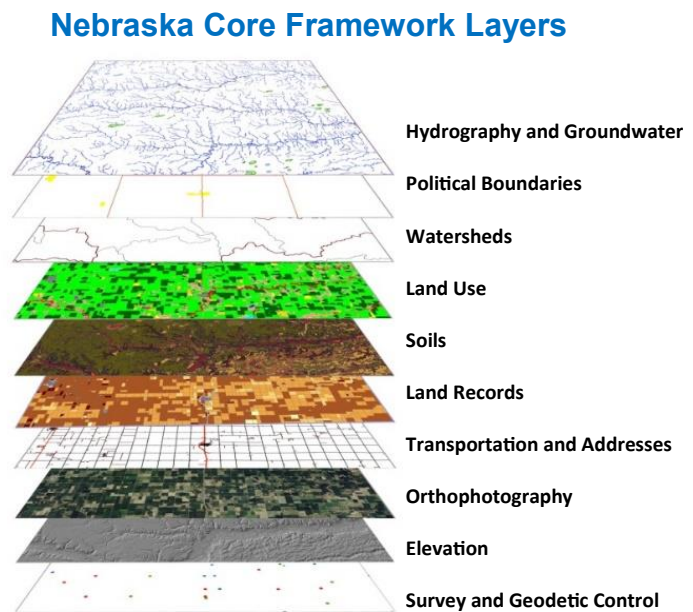
## Metrics:



# Nebraska Spatial Data Infrastructure (NESDI)

**Objective:** *To develop and foster an environment and infrastructure that optimizes the efficient use of geospatial technology, data, and services to address a wide variety of business and governmental challenges within the state. Geospatial technologies and data will be delivered in a way that supports policy and decision making at all levels of government to enhance the economy, safety, environment and quality of life for Nebraskans.*

- Facilitate the creation, maintenance, analysis and publishing of quality and authoritative data and information systems. Priority layers include: imagery, elevation, street centerlines, point addressing, and land records.
- Formalize data stewardship and encourage data sharing and provide widespread access to data and services through NebraskaMAP.gov.
- Facilitate technical assistance and education outreach opportunities for furthering the adoption of the NESDI and geospatial applications.
- Achieve sustainable and efficient allocation of resources to support the implementation and wise governance of GIS services and geospatial data.



## Collaborators

- The State of Nebraska
- Local and County Government
- League of Municipalities
- Nebraska Association of County Officials
- Nebraska GIS LIS Association
- Natural Resource Districts
- Public Power Districts
- Federal Agencies
- Private Industry
- K-12, College, and University of Nebraska

## Strengths/Assets

- Existing governance structure established by statute representing a broad range of stakeholder interests. GIS Council According to Neb. Rev. Stat. § 86-572(2).
- Standards which are foundational to the NESDI are in place or in development.
- Existing State GIS Coordinator and one GIS staff member in CIO GIS Shared Services Office.
- Several strong state agency and local county-based GIS programs.
- Several NESDI data layers and applications exist with coverage in priority areas or statewide.
- Strategic Plan completed in 2012 with stakeholder input from across the state. It serves as roadmap to setting statewide priorities and was used to develop the NESDI strategic initiative and action items.
- Centralized data file infrastructure established to host and share state agency data layers.

## Challenges

- Insufficient legislative or executive sponsor to support GIS Council efforts.
- Resources are inadequate to develop and maintain all framework layers.

- Resources are inadequate for a stewardship infrastructure that supports comprehensive stewardship of framework data.
- Outreach and training needs of GIS and geospatial data use and applications are broad given the level of different users.
- Reluctance to share data or making data available easily or timely.
- Technical limitations in current infrastructure and networks to host and exchange data.
- Sustainability of data maintenance and updates.
- Lack of metadata and appropriate documentation of data layers to support data discovery, sharing, and reliability of data.
- Lack of understanding of standards and no authoritative enforcement to data stewards not following standards. Local counties do not see NITC standards as a requirement but a guideline.

### **Recent Accomplishments**

- Working groups established involving our collaborators to gather information and develop plans.
- New standards adopted for elevation, imagery, street centerlines and addresses. Metadata standards have been updated to reflect federal ISO requirements.
- Elevation business plan completed and implementation started with collaborators working to acquire data through a 4,400 acre project in western Nebraska.
- Established a statewide K-12 GIS Education Initiative by leveraging a statewide enterprise license agreement for software and services to private and public schools.

### **Metrics**

The current metrics are used to evaluate the status of the NESDI and overall GIS program for the state is measured by several criteria and methods.

### **Core NESDI Data Development and Maintenance Criteria and Status**



### Status of Nebraska based on NSGIC Coordination Criteria

The National States Geographic Information Council (NSGIC) has published a listing of “9 Criteria for a Successful Statewide GIS Program.” While these are not firm, binary criteria, they provide a measure by which different states can be compared. In general, the most successful states tend to have these things in common.

Criterion	Status
1. A full-time, paid coordinator position is designated and has the authority to implement the state's business and strategic plans:	<b>Partially meets criterion.</b> NITC has a full-time State GIS Coordinator. Authority to implement Business and Strategic Plans will come through NITC and Office of the CIO. Limited funds are available to carry out specific action items.
2. A clearly defined authority exists for statewide coordination of geospatial information technologies and data production:	<b>Partially meets criterion.</b> NITC GIS Council provides governance to statewide coordination efforts along with the Office of the CIO based on statutory authority for state entities. Rely on partnerships from local involvement.
3. The statewide coordination office has a formal relationship with the state's Chief Information Officer (CIO):	<b>Meets criterion.</b> The State GIS Coordinator is positioned in the Office of the CIO.
4. A champion (executive and other legislative champions) is aware and involved in the process of geospatial coordination:	<b>Does not meet criterion.</b> There are no strong, active champions currently involved in the process.

5. Responsibilities for developing the National Spatial Data Infrastructure and a State Clearinghouse are assigned:	<b><u>Partially meets criterion.</u></b> A complete Nebraska Spatial Data Infrastructure (NESDI) has not been fully developed. The NebraskaMAP state clearinghouse exists, but has limited capability and lags behind other states. Both require sustained resources to develop and exist.
6. The ability exists to work and coordinate with local governments, academia, and the private sector:	<b><u>Partially meets criterion.</u></b> These entities are represented on the NITC GIS Council. There is some evidence of local government involvement with state functions, but overall GIS adoption across the state remains low.
7. Sustainable funding sources exist to meet project needs:	<b><u>Partially meets criterion.</u></b> There is funding for the State GIS Coordinator and various resources for projects through other agencies. However, long-term, sustainable funding and allocation of resources is still needed.
8. GIS Coordinator has the authority to enter into contracts and become capable of receiving and expending funds:	<b><u>Meets criterion.</u></b> The State GIS Coordinator in the Office of the CIO can enter into contracts.
9. The Federal Government works through the statewide coordinating authority:	<b><u>Partially meets criterion.</u></b> The Federal Government recognizes the Nebraska GIS Council and their efforts and has worked with the state (e.g. via NAIP, Homeland Security, FEMA, NebraskaMAP)

# IT Security

**Objective:** *To define and clarify policies, standards and guidelines, and responsibilities related to the security of the state's information technology resources.*

**Description:** Information security serves statutory goals pertaining to government operations and public records. These include: insure continuity of government operations (Nebraska State Constitution, Article III, Section 29; Neb. Rev. Stat. § 28-901 and 84-1201); protect safety and integrity of public records (Neb. Rev. Stat. §§ 28-911, 29-2391, and 84-1201); prevent unauthorized access to public records (Neb. Rev. Stat. §§ 29-319, 81-1117.02, and 84-712.02); insure proper use of communications facilities (Neb. Rev. Stat. § Section 81-1117.02); and protect privacy of citizens (Neb. Rev. Stat. § 84, Article 7).

Major activities include:

- Development of an overall security strategy, including policies, security awareness, and security infrastructure improvements;
- Network security standards and guidelines;
- Education and training;
- Authentication (directory services);
- Disaster recovery for information technology systems (as part of a broader business continuity planning);
- Compliance with federal privacy and security mandates; and
- Security assessments.

## Collaborators

- Security Architecture Workgroup
- State government agencies

## Recent Accomplishments

- *Security.* The Security Architecture Workgroup has worked with the State Government Council, the Technical Panel, and agencies to formulate new policies for emerging technologies and to update existing policies. The Workgroup has also worked to develop a unified approach to federal audits to reduce individual agency work and to ensure consistent and accurate responses to audits. Also, the OCIO has annually hosted the Nebraska Cyber Security conference.

## Metrics

July 15, 2015

**To:** NITC Commissioners  
**From:** Anne Byers  
**Subject:** Community Council Report

**Broadband Workbook.** *Leveraging Broadband in Your Community: A Workbook to Help Communities Stimulate Broadband Development* is now available at <http://broadband.nebraska.gov/workbook/html5/index.html>. A press release about the workbook and the awards program (see below) was released by the University of Nebraska.

**Broadband Awards Program.** The Nebraska Broadband Initiative is accepting nominations for outstanding community broadband projects until August 14, 2015. Projects will be recognized in three categories:

- **Outstanding Infrastructure Development Project.** This award recognizes communities which have successfully partnered with a broadband provider to improve broadband availability.
- **Outstanding Digital Literacy Project.** This award recognizes communities for their efforts to improve digital literacy.
- **Outstanding Youth Project.** This award recognizes projects which engage youth in activities which support IT development.

Awards will be presented at the Rural Futures Conference in Lincoln on Wednesday, Oct. 21, 2015.

Additional information is available at <http://unlcms.unl.edu/ianr/extension/nebraska-broadband/broadband-awards>.

**Rural Futures Conference Sessions.** The Nebraska Broadband Initiative is organizing several broadband sessions for the Rural Futures Conference which will be held Oct. 21-23 in Lincoln. More information is available at [ruralfutures.nebraska.edu](http://ruralfutures.nebraska.edu).

July 15, 2015

**To:** NITC Commissioners  
**From:** Anne Byers  
**Subject:** eHealth Council Report

**Membership.** The eHealth Council formed a nomination subcommittee to solicit nominations for new members. The slate of new members is included in the meeting materials. The approval of the nominees is an action item.

**Grant Update.** The NIITC/Office of the CIO submitted a grant application to the U.S. Department of Health and Human Services Office of the National Coordinator for Health IT for nearly \$3 million in funding for health information exchange development on April 6, 2015. The proposed project would have addadd additional Critical Access Hospitals and long term care facilities to NeHII, provide assistance in integrating health information into provider workflows, and provide population analytics. The expected award date was June 12, 2015. To date, awards have not been announced.

**NeHII Update.** NeHII continues to add hospitals and providers. Chase County Hospital in Imperial is now live. By the end of September 2015, implementations for CHI Health St. Elizabeth and CHI Health Nebraska Heart in Lincoln, NE; CHI Health Good Samaritan in Kearney, NE; CHI Health St. Francis in Grand Island, NE; CHI Health St. Mary's in Nebraska City, NE; and CHI Health Plainview in Plainview, NE will be complete. The addition of these hospitals will bring the percentage of hospital beds in the state covered by NeHII to 62%.

NeHII will hold its annual meeting Aug. 6 in Sidney. Speakers include Deven McGraw, Deputy Director for Health Information Privacy from the HHS Office of Civil Rights; Scott Iverson, Chief Operating Officer for Optum; Frat Iqbal, Sr. Manager of Clinical Affairs at NYU Longone Medical Center; and Calder Lynch, Director of NDHHS Division of Medicaid and Long-Term Care.



# eHealth Council Members

## The State of Nebraska

1. **TBD**, State Senator
2. **Sheri Dawson**, Division of Behavioral Health

## Health Care Providers

3. **Marty Fattig**, Nemaha County Hospital
4. **Dr. Delane Wycoff**, Pathology Services, PC,
  - a. **Dr. Harris A. Frankel** (alternate)
5. **Kevin Borchert**, Nebraska Methodist Health System and Nebraska Board of Pharmacy
6. **Bridget Young**, Visiting Nurse Association
7. **Cindy Kadavy**, Nebraska Health Care Association
8. **TBD**, ACO representative

## eHealth Initiatives

9. **Max Thacker**, Nebraska Statewide Telehealth Network and UNMC
  - a. **Dale Gibbs**, Catholic Health Initiatives and Good Samaritan Hospital (alternate)
10. **Kevin Conway**, NeHII and Nebraska Hospital Association
11. **Anna Turman**, Western Nebraska Health Information Exchange and Chadron Community Hospital

## Public Health

12. **Jenifer Roberts-Johnson**, Department of Health and Human Services, Division of Public Health
13. **Sharon Medcalf**, UNMC College of Public Health
14. **Kathy Cook**, Lincoln-Lancaster County Public Health Department
15. **Marsha Morien**, UNMC College of Public Health
16. **Joel Dougherty**, OneWorld Community Health Centers

### **Payers and Employers**

17. **Susan Courtney**, Blue Cross Blue Shield
  - a. Rama Kolli, Blue Cross Blue Shield (alternate)
18. **TBD**, Department of Health And Human Services, Division of Medicaid and Long Term Care
19. **Joni Booth**, Gallup

### **Consumers**

20. **Robin Szwaneck**, AARP
21. **June Ryan**, Retired

### **Resource Providers, Experts, and Others**

22. **Kimberly Galt**, Creighton University School of Pharmacy and Health Professions
23. **Todd Searls**, Wide River
24. **Dr. Jim McClay**, UNMC

**\*New nominees are listed in turquoise.**

## SHERI DAWSON

Office Phone: 402-471-7856 Cell Phone: 402-580-2810  
E-mail: [sheri.dawson@nebraska.gov](mailto:sheri.dawson@nebraska.gov) or [bjdawson2@juno.com](mailto:bjdawson2@juno.com)

### Education

<b>B.S. Health Science</b> – Nebraska Wesleyan University, Lincoln, Nebraska Member of Beta Beta Beta Biology Honorary	1982
<b>R.N. Diploma</b> - Bryan School of Nursing, Lincoln, Nebraska Graduated with Distinction Received Mary Portray Owens Leadership Award	1982

### Professional Experience

<b>Acting Director</b> DHHS – Division of Behavioral Health	2015 – Present
<b>Deputy Director/Administrator CBS</b> DHHS – Division of Behavioral Health	2011-2014
<b>Managed Care and QI Administrator</b> DHHS - Division of Behavioral Health Lincoln, NE	2008-2011
<b>Program Specialist</b> DHHS - Division of Behavioral Health Lincoln, NE	2006-2008
<b>Nurse Surveyor/Consultant</b> DHHS - Regulation & Licensure, Credentialing Division Lincoln, NE	2001- 2006
<b>Nurse Manager</b> Child and Adolescent Mental Health Services Chairperson of the Child and Adult Advocacy Team BryanLGH West Lincoln, NE	1993-2000
<b>Associate Director of Nursing</b> <b>Director of Nursing In service and Quality Coordinator</b> Lincoln Regional Center Lincoln, NE	1988-1993
<b>Nurse Instructor, Access Nurse</b> Willowbrook Psychiatric Hospital Waxahachie, TX	1987-1988
<b>Nursing Coordinator</b> Dr. William Elkins and Associates Charlton Methodist Hospital Dallas, TX	1984-1987
<b>Staff Nurse, Charge Nurse</b> Annie Jeffrey Memorial County Hospital Osceola, NE	1982-1984

### Awards Received

DHHS Supervisor of the Year	2011
Employee of the Year - DHHS Regulation and Licensure	2005
One Child, One Time, One Place Award - Lincoln Child Advocacy Center	2003

**Work Experience: Visiting Nurse Association, Omaha, Nebraska**

**Chief Operating Officer: 2013 to present**

- Support service line Vice Presidents in program development to drive quality outcomes and improvement efforts
- Facilitate annual budgeting in clinical services departments
- Manage all hands-on operational aspects of the agency including IT and Facilities

**Vice President of Operations: 2010 to 2013**

- Established, developed and supported an integrated clinical infrastructure for agency operations including licensure, certification, accreditation and quality initiatives.
- Developed agency wide quality program to achieve targeted clinical outcomes and accreditation
- Assisted in the development of reports and data analysis for the service lines.

**Vice President of Quality and Accreditation: 2004 to 2010**

- Established, develop and support licensure, certification, accreditation and quality initiatives.
- Established a framework for the VNA Quality Program. Assist service lines in setting quality goals and performance measures as well as obtaining and analyzing data for quality studies.
- Lead project management activities for quality improvement
- Provided leadership in clinical and regulatory expertise and staff education.

**Vice President of Clinical Services: 1997 - 2004**

- Developed and communicated the VNA vision and strategic plan
- Defined the overall vision and focus for clinical services division within the Agency vision and goals.
- Oversaw budget preparation and fiscal management for a variety of clinical services departments.
- Assured compliance with applicable federal, state and local laws and regulations, standards of accreditation, and Agency policy.

**Director of Clinical Services: 1992 - 1997**

- Directed day to day home health care clinical services
- Created and maintained focus on client-centered care, excellence in clinical practice, innovative programs and cost effective care.
- Facilitated a team effort toward realization of agency goals and mission.

**Clinical Manager, Public Health 1982 - 1987; Home Care 1987 - 1992**

- Managed two groups of clinical nursing staff serving 400 clients.
- Provided leadership, guidance and consultation to staff regarding client assessment, intervention and evaluation of effectiveness and outcome of care.
- Contributed to development and maintenance of home health care policies and procedures.
- Participated in coordination of educational programs for local university nursing students.

**Public Health Nurse: 1975 - 1982**

- Provided direct nursing services in the areas of maternal/child health, school programs, child health clinics, adult health maintenance centers and home health care.

**Education/Workshops/Seminars:**

- University of Nebraska at Omaha, Executive MBA, 1995
- Creighton University, Bachelor of Science in Nursing, 1975
- HealthWyse Executive Summit, 2013. *Presentation: Care Transitions Pilot*
- Visiting Nurse Associations of America, 2013 Annual Conference, *Presentation: Care Transitions*
- Visiting Nurse Associations of America, Vulnerable Patient Study *Technical Expert Panel*, 2013
- Nebraska Nurse Association 2006 Convention. *Presentation: Documentation and the Omaha System: Past, Present, and Future.*

**Professional Organizations and Honors:**

- Creighton University College of Nursing Alumni Advisory Board, 2013 - present
- Visiting Nurse Associations of America, Administrative Manager of the Year, 2006
- INFLUENCE XVI participant. Leadership development program sponsored by ICAN (Institute for Career Advancement Needs). Omaha, Nebraska 1997
- Sigma Theta Tau International, Iota Tau Chapter, induction 1988
- Mary Longmaid Offutt Award, Visiting Nurse Association of Omaha, 1987.

**ANNA TURMAN, CIO, COO**

***CHCIO, CPHIMS, FHIMSS, CPEHR, CPHIT***

Anna Turman is a strategic business partner providing information systems vision, process efficiencies, and daily management as the Chief Operating Officer and Chief Information Officer for Chadron Community Hospital and Health Services. Chadron Community Hospital and Health Services is a 25-bed Critical Access Hospital in Chadron, Nebraska that also provides community services agencies of four communities in three counties of rural Nebraska, two physician-owned clinics, and a Provider Based Rural Health Clinic. Ms. Turman chairs the IT Leadership Team of Rural Nebraska Healthcare Network, which encompasses eight rural hospitals in 11 counties including Chadron Community Hospital, and is currently past president of Nebraska HIMSS Chapter. She is well-versed in the technology and collaboration challenges of similar rural health care organizations. Broadening her healthcare scope and knowledge she is on the Board of Directors of Pioneer Manor Nursing Home. Ms. Turman has faced many of the challenges typically encountered by small rural health care organizations. She has led her organization from a low technology beginning to the current high-tech status, leading the Hospital Technology Team to a full-blown electronic health record in a matter of six short months.

With a bachelor's degree in Fine Arts from Colorado State University, she has found the healthcare industry to be a great place to harness and express her adaptive, creative, innovative spirit, empowering her community, patients, providers, and staff. Ms. Turman has been awarded the CHCIO (Certified Healthcare Chief Information Officer) credential by CHIME in 2011 and FHIMSS Fellow Health Information Management Systems Society) in 2015. She has also earned CPHIMS (certified Professional Health Information Management Systems) certification as well as the Certified Professional in Electronic Health Records (CPEHR) and Certified Professional in Health Information Technology (CPHIT) credentials. She is currently enrolled in the Masters of Health Administration Program at Bellevue University. In her spare time she is married to her husband Ryan of 14 years and raising a set of twin 8 year olds Reese and Peyton, and a three year old Bryce.

## **Kathleen Cook**

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### **Education**

[University of North Carolina at Chapel Hill, Management Academy for Public Health \(Gillings School of Global Public Health and Kenan-Flagler Business School\) 2010-2011](#)

#### **Certificate of Achievement**

[University of Washington School of Public Health and Community Medicine, Seattle WA. September 1999](#)

#### **Graduate Certificate in Public Health**

[University of Nebraska Medical Center College of Nursing-Lincoln, Lincoln NE. May 1980](#)

#### **Bachelor of Science in Nursing**

[University of Nebraska Medical Center College of Nursing-Lincoln, Lincoln NE. May 1978](#)

#### **Associate Degree in Nursing**

### **Professional experience**

[Lincoln-Lancaster County Health Department, Lincoln NE](#)

#### **Information and Fiscal Manager** (February 2003 - present)

- Manager of Information and Fiscal Management Division: develop, coordinate and administer departmental fiscal services, budget, facilities, information technology and general business activities

#### **Program Manager** (September 1987 – February 2003 )

- Manager of fiscal and computer resource programs: develop, coordinate and administer departmental fiscal services, budget, facilities, information technology and general business activities

[Lincoln-Lancaster County Health Department and Lincoln Area Agency on Aging, Lincoln NE](#)

#### **System Facilitator** (February 1986 – August 1987)

- Coordinated and facilitated information and systems level planning, training and development that affected shared service delivery responsibilities of two agencies.

[Lincoln Medical Education Foundation, Lincoln NE](#)

#### **Project Facilitator** (July 1982 – January 1986)

- Robert Woods Johnson funded project to develop community-wide systems for sharing information and coordination services for frail elderly

#### **Health Counselor** (August 1980 – June 1982)

Robert Woods Johnson funded project to provide case coordination services to frail elderly clients.

**Additional  
professional  
activities**

National Association of City and County Health Officers (NACCHO) Information Technology Committee member (February 2001 to July 2004); Public Health Informatics Advisory Workgroup (June 2005 to July 2009 and August 2010 to July 2014). Total of 12 years

Public Health Data Standards Consortium member (NACCHO representative) (April 2001 to July 2004; January 2006 to June 2014); [Member of the Board of Directors and Vice President for State and Local Agencies.]

National Association of Public Health Information Technology Executive Committee member at large (May 2004 to May 2007), Treasurer (May 2005-2006)

Recipient of two National Association of County and City Health Officer's Model Practice designations:

- Information Integration Process (2004)
- Public Health Informatics Sustainable and Strategic (2011)

Public Health Accreditation Board Informatics Think Tank participant (July 2012)

Requirements Laboratory: Public Health Information Model Prioritization Meeting Participant, sponsored by Public Health Informatics Institute (September 2012)

Expert Panel Electronic Health Records for Public Health Agencies sponsored by Public Health Informatics Institute (April 2011)

NACCHO Public Health Informatics Business Processes Meeting Participant (December 2010); assisted NACCHO staff to organize the meeting

External Reviewer for "Competencies for Public Health Informaticians 2009" published December 2009;

Expert reviewer of "Knowledge Management for Public Health Professionals", January 2005 publication of the Association of State and Territorial Officers (ASTHO).

Reviewer for Robert Wood Johnson Foundation, InformationLinks: Connecting Public Health with Health Information Exchanges grant program. Twenty grants awarded December 2005.

Expert responder for the American Medical Informatics Association Spring Congress on Public Health Informatics (Spring 2001) and the Centers for Disease Control's 2002 National Electronic Disease Surveillance System Stakeholder Meeting.

HIPAA Privacy Officer City of Lincoln departments and agencies.

Team Leader for Management Academy Business Plan: Worksite Wellness for Small Businesses

Designed, implemented and completed "Public Health Clinic Review" for the Health Department clinics—Report published to the Lincoln-Lancaster County Board of Health March 2007;

Coordinated community planning and compiled: Health People 2010 Health Objectives for the Year 2010 for Lincoln & Lancaster County Nebraska (January 2000) and Healthy People 2010 Mental Health Addendum (December 2002)

Publications  
Training  
Presentations

Published articles:

- Cook, Kathleen. "Data Standards and Local Public Health", published in the Winter 2004 issue of NACCHO Exchange.
- Cook, Kathleen. "Improving Effectiveness and Efficiency in Meeting Population-based Outcomes", published in the Winter 2008 issue of NACCHO Exchange

Presentations / Webinars/ Training Developed and Provided

- April 30, 2014: 2014 Public Health Informatics Conference, Combined Learning Session (Modules of Workforce Development) – "Presenting Information People Understand and Can Use".
- July 12, 2012: 2012 NACCHO Annual Conference, Poster Session: "Presenting Information People Understand and Use"
- April 17, 2012: NACCHO Sponsored Webinar "Selecting the Right Vendors for your Health IT Projects"
- August 24, 2011: 2011 Public Health Informatics Conference, Atlanta Session I1: Business Process Analysis (BPA) for Public Health Systems Interoperability: "Business Process Analysis in Local Health Departments"
- June 29, 2011: NACCHO Sponsored Webinar "Use of Electronic Medical Record by a Local Health Department"
- December 3, 2010: NACCHO Public Health Information Technology – Business Processes Meeting
- August 13, 2010: NALBOH Annual Conference, Poster Session: "Role of Local Public Health in the National Health Information Technology Initiatives"
- November 12-13, 2009, PHDSC Annual Business Meeting, "Readiness of Public Health to Support Meaningful Use" (panel moderator) and "Local Health Department Perspective: Electronic Medical Record Software and Health Information Exchanges" (presenter)
- August 25, 2008: CDC's 2008 PHIN Conference. "Other Practical Applications of Health Information Technology and Informatics in a Local Health Department".
- June 10, 2008: Johns Hopkins Bloomberg School of Public Health: Department of Health Policy and Management 2008 Summer Institute. "Using HIT in Public Health – Local Health Department Perspective".
- June 12, 2007: Johns Hopkins Bloomberg School of Public Health: Department of Health Policy and Management 2007 Summer Institute. "Local Health Departments in a Nationwide Health Information Network"
- September 9, 2005: The Second Health Information Technology Summit, Perspectives of Health Information Technology: City/ County Health Department Perspective".
- July 16, 2004: NACCHO Annual Conference, "Building the Bridge from Data to Knowledge"
- May 26, 2004: CDC's 2004 PHIN Conference. "PHIN and the Business of Local Public Health" and "Building the Bridge from Data to Knowledge"
- March 16, 2004: PHDSC Annual Meeting. "Public Health Data Standards: Partner Perspectives—National Association of County and City Health Officials"



**Joni Booth***Senior Client Development Consultant*

Joni Booth is a Senior Client Development Consultant at Gallup. As a trusted advisor to Gallup clients, she supports them in building top- and bottom-line growth through improved leadership development, customer and employee engagement, employee wellbeing and brand promotion. Joni applies the principles of behavioral economics and her expertise in managing client projects to develop strategic solutions and deliver executive consulting that increases organizational performance. She works with clients in the agricultural, financial services, healthcare, and manufacturing sectors.

Prior to joining Gallup, Joni worked as a healthcare consultant for the Nebraska Health Information Initiative (NeHII) specializing in health information exchange implementation, creating value statements for NeHII use in healthcare systems, and marketing NeHII throughout Nebraska and Iowa. Joni has also taught business and health information technology courses for colleges in the Omaha metropolitan area.

Joni received her bachelor's degree in finance from the University of Iowa and her master's in business administration from the University of Nebraska Omaha.

## BIOGRAPHICAL SKETCH

NAME <b>June E Ryan</b>		POSITION TITLE Patient Advocate, Community Member	
eRA COMMONS USER NAME June E Ryan			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Nebraska Lincoln, NE	B.S.	1962-1966	Dietetics and Nutrition
The Pennsylvania State University Harrisburg, PA	M.P.A	1976-1980	Public Administration
Great Plains Public Health Leadership Institute		2008-2009	Public Health
Policy Academy, UNMC CPH Omaha, NE		2011-12	Public Health Policy

**NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.**

### A. Personal Statement

I am a retired community member who currently works with NC2 as an independent contractor because of my interest in improving cancer care for patients. My primary role on the project will be as a patient advocate. I am well suited for this role because I am a former caregiver and widow of two spouses, one who died of lung cancer and one who had progressive dementia and Parkinson's Disease. In the caregiver role, I interacted frequently with other caregivers and organizations supporting caregivers. I will represent the caregiver interests of the community.

From 2002 to 2012, I developed the Nebraska Comprehensive Control Program within the Nebraska Department of Health and Human Services and built a statewide partnership comprised of over 350 individuals representing some 150 groups and organizations. Under my leadership, Nebraska wrote its first Comprehensive Cancer Control Plan, began implementation of the Plan and completed one Plan revision. Further, our partnership established itself as a 501 c 3 entity with a Board of Directors, legal counsel and professional support. In collaboration with the American Cancer Society and the Nebraska Chair, Commission on Cancer Physician Liaison Program, I participated in networking all of the Nebraska cancer centers; this network was the first of its kind in the nation. Some pertinent cancer center network results include: (1) Written agreements by 100% of the centers to ensure that all persons testing positive for colorectal cancer through a state-run screening program would receive treatment and follow up care; (2) 100% of the cancer centers participation in a clinical trials collaboration to achieve increased access to cancer clinical trials as well as accreditation compliance; and (3) all of the cancer centers participating in educational webinars to meet new Commission on Cancer patient centered accreditation requirements. I have established relationships with numerous clinical staff at Nebraska's cancer centers which will be called on for successful completion of this

## B. Positions and Honors

Independent Consultant Lincoln, Nebraska	<p>Managing projects for the Nebraska Cancer Coalition and /or the Nebraska Comprehensive Cancer Control Program</p> <ul style="list-style-type: none"> <li>Susan G. Komen for the Cure grant to provide breast cancer screening services for uninsured and high risk patients in Lancaster County, NE. Responsibilities include working with community providers to enroll clients and arrange for screening and follow up services. Also, convening and facilitating statewide coalition for 11 organizations screening and serving low income, un-insured, underinsured and high risk women for breast cancer.</li> <li>Policy, Systems and Environmental Change Lead. Responsibilities include forming and facilitating work groups to address a variety of cancer prevention and control policy, systems and environmental priorities related to tobacco control, Affordable Health Care Act implementation, cancer survivorship, palliative care, survivorship, tanning beds, cancer clinical trials, childhood obesity and screening.</li> </ul>	<p>May 2012-Sept 2013</p> <p>May 2012-Present</p>
Manager, NE Comprehensive Cancer Control Program Nebraska Dept. of Health & Human Services Lincoln, NE	Managed and directed the statewide, CDC funded Comprehensive Cancer Control Program aimed at reducing cancer incidence/mortality; maintained relationships with CDC and partners to facilitate implementation of the Nebraska Cancer Plan; hired and supervised two staff and mentored students. Developed/managed contracts for evaluators, consultants, others.	2002-2012
Vice President for Government Relations Best Health Care Management Company, Inc. Philadelphia PA	Interim executive director of Community Voices of El Paso, a W.K. Kellogg Foundation funded project; provided technical assistance and consultation during start up. Participated in Medicaid managed care proposal development in PA, MA, TX and LA; negotiated Medicaid contracts and obtained state license in PA and TX; functioned as government liaison for managed care plans in PA and TX. Managed behavioral health contract for 25,000 members.	1993-2001
Adjunct Researcher University of Pennsylvania Dept. of Psychiatry Philadelphia, PA	Developed and tested national curriculum for rural elderly mental health services; evaluated statewide Ombudsman Program for PA Aging Department; developed plan for residential drug and alcohol treatment program and proposed quality assurance indicators for child and adolescent mental health treatment programs.	1992-1999
Administrator/Chief Operating Officer The Horsham Clinic, Ambler, PA	Directed operations of a 138 bed psychiatric/substance abuse hospital; designed and implemented day treatment and outpatient programs and implemented 24-hour crisis intervention program; led hospital activities that resulted in three-year JCAHO accreditation. Increased admissions by 75% over three years.	1988-1993
Various Positions including Director for Standards and Quality Assurance PA Dept. of	Managed statewide licensure of 400 community mental health programs; drafted licensure regulations for state prison mental health units. Developed continuity of care policy/procedures for 43 county programs; reviewed all psychiatric Certificate of Need applications.	1981-1987

Public Welfare Harrisburg, PA		
Various Positions including Associate Director, Division of Hospitals PA Department of Health Harrisburg, PA	Developed and directed systematic statewide Medicare certification program for 32 private and state-owned psychiatric hospitals; contracted with National Institute of Mental Health and managed contracts with psychiatrists, nurses and social workers. Conducted Medicare surveys and reported to state and federal agencies; developed successful proposal to increased licensing staff from nine individual nurse surveyors to 43 interdisciplinary team surveyors in four regions across Pennsylvania.	1970- 1981
Chief Dietitian Holy Spirit Hospital Camp Hill, PA	Supervised diet technicians, taught nutrition and counseled patients; promoted to chief dietitian for 132 bed general hospital in metro-Harrisburg, PA area	1967- 1970
Food Service Consultant PA Dept. of Public Welfare Harrisburg, PA	Provided consultation and technical assistance to state owned health/social welfare facilities; educated dietitians and food service personnel.	1966- 1967

## **HONORS**

- Received first place for a poster presentation at the Public Health Association of Nebraska annual meeting. The poster featured building bridges (relationships) to facilitate research of lung cancer patient preferences for treatment. October 2014
- Selected as one of the first six mentors to implement a National Cancer Institute Research to Reality project. 2011-2013
- Selected to participate in UNMC College of Public Health's first Health Policy Academy 2011-2012
- Selected as a Great Plains Public Health Leadership Institute mentor 2009-2013
- Recognized by the Nebraska Cancer Coalition as an outstanding partner 2003

## **C. Selected peer-reviewed publications**

None

## **D. Research Support**

List both ongoing and completed research projects for the past three years (Federal or non-Federally supported). Begin with the projects that are most relevant to the research proposed in the application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

UNMC CoPH and Northern Plains Epidemiology Center Omaha, NE and Rapid City, SD	Served on data management advisory committee for five year Office of Minority Health Native American Data Project	2007-2012
UNMC CoPH Epidemiology Center Omaha, NE	Co-Investigator on Patient Centered Preferences for Late Stage Lung Cancer Treatment funded by PCORI; conducted 4	2013-2015

	focus groups to get key stakeholder input on patient-centered topics; serve as patient advocate on Core Team.	
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**Other Comments:**

I am active in community organizations including AARP, the Lincoln Community Foundation and the Oshner Life Long Learning Institute where I take classes as well as volunteer at OLLI events. I am also very active in my church and in January will become chair of the Board of Christian Outreach. I have participated in two mission trips to Pine Ridge Reservation as well as volunteer at Lincoln's Clinic with a Heart that provides free health services to uninsured persons and Matt Talbot free meals and services program.

I am currently an independent contractor with the Nebraska Comprehensive Cancer Control Program, Department of Health and Human Services responsible for policy, systems and environmental change to impact cancer incidence and mortality. For the 2013-2014 Nebraska Congressional Session, I am working in collaboration with others on policy change related to tobacco tax, insurance coverage for participation in cancer clinical trials, teen's use of tanning beds, obesity/physical activity in children and adolescents and implementation of the Affordable Health Care Act. I continue to be on the NC2 Board of Directors and have excellent working relations with over 350 NC2 partners and others in their organizations. My ten-year relationship with administrative, medical and other clinical staff at Nebraska's 12 cancer centers will be a valuable resource for this study should our application be selected.

**Todd Searls, Executive Director, Wide  
River LLC**

Mr. Searls currently serves as the Executive Director of Wide River LLC, a Healthcare IT consulting firm, delivering strategic and clinical consulting services to clients nationwide. Previous to this, he served as the Director of Nebraska's Regional Extension Center (REC) program and has lead numerous HIT and strategic initiatives in independent physician practice, as well as large, multi-facility healthcare systems. In these roles he has personally assisted hundreds of physicians in over 25 specialties to research, purchase, implement and optimize their HIT solutions. Mr. Searls is frequently asked to speak and comment on Healthcare IT issues nationally, especially those which impact rural and medically under-served communities.

# ***CURRICULUM VITAE***

**NAME:** James C McClay, M.D., M.S., FACEP

**CAMPUS ADDRESS:** Emergency Department  
University of Nebraska Medical Center  
981150 Nebraska Medical Center  
Omaha, NE 68198-1150  
(402) 559-3587 Office  
JMCCLAY@UNMC.EDU

## **EDUCATION:**

June 1979 B.S. Biophysics with Honors, University of Michigan, Ann Arbor, Michigan  
June 1984 M.D. Wayne State University, Detroit Michigan  
January 1987 M.S. Bioengineering, University of Michigan, Ann Arbor, Michigan

## **POST-DEGREE TRAINING:**

7/84 to 6/86 Resident in General Surgery, St. John Hospital, Detroit Michigan  
1/87 to 4/89 Precandidate for PhD in Bioengineering, University of Michigan, Ann Arbor, Michigan  
8/90 to 6/93 Research Fellow in Medical Informatics, Decision Systems Group, Harvard Medical School, Boston, Mass.  
1/02 to 4/03 Educational Scholars Program, University of Nebraska Medical Center, Omaha, Nebraska  
5/06 to 5/07 Faculty Administrative Colloquium, University of Nebraska Medical Center, Omaha, Nebraska  
4/12 to 4/13 UNMC Physician Leadership Academy, Omaha, Nebraska

## **ACADEMIC APPOINTMENTS:**

07/09 to Current Associate Professor, Department of Emergency Medicine, University of Nebraska Medical Center  
07/09 to Current Associate Professor (Courtesy), Department of Internal Medicine, University of Nebraska Medical Center  
07/09 to Current Associate Professor (Courtesy), Information Systems & Quantitative Analysis (ISQA), College of Information Science & Technology, University of Nebraska at Omaha  
11/05 to Current Graduate Faculty, University of Nebraska  
05/08 to 06/09 Assistant Professor (Courtesy), Department of Internal Medicine, University of Nebraska Medical Center  
1/07 to 06/09 Assistant Professor, Department of Emergency Medicine, University of Nebraska Medical Center  
1/06 to 06/09 Assistant Professor (Courtesy), Information Systems & Quantitative Analysis (ISQA), College of Information Science & Technology, University of Nebraska at Omaha  
4/01 to 12/06 Assistant Professor, Section of Emergency Medicine, Department of Surgery, University of Nebraska Medical Center

## **HONORS AND AWARDS:**

March 2012 Outstanding Professional Achievement, College of Medicine, University of Nebraska  
October 2011 Certificate of Appreciation for Leadership, American College of Emergency Physicians  
2011 WideRiver TEC EHR Curriculum Development Award  
September 28, 2010 American College of Emergency Physicians Lifetime Achievement award in Medical Informatics  
2009 UneMed New Invention Award "Emergency Department Patient Information Kiosk"  
2009 UNMC Special Achievement Award

## **BOARD CERTIFICATION AND LICENSES:**

2008 to Current Fellow, American College of Emergency Physicians  
2005 to 2010 Advanced Disaster Life Support (ADLS) Instructor

2005 to 2012	Pediatric Advanced Life Support (PALS) Provider
2001 to 2012	Advanced Trauma Life Support (ATLS) Provider
2001 to Current	Nebraska Medical License # 21666
2000 to Current	Ohio Medical License 35-07-7785-M
1990 to 2005	Massachusetts Medical Registration # 72931 (inactive)
1985 to Current	Michigan Medical License # 1049076
1983 to Current	Advanced Cardiac Life Support (ACLS) Provider

**GRANT/CONTRACT SUPPORT:**

2015	“Clinical Data Research Network” Nebraska Tobacco Settlement Biomedical Research Development Fund (NTSBRDF). PI; \$100,000
2014 to 2015	UNMC PI (30%) for Greater Plains Consortium for Comparative Effectiveness Research (P.I. Russ Waitman, PhD, KUMC \$5 million) PCORI CDRN Contract. \$950,000
2013	“Introduction to Biomedical Informatics” eLearning award. PI, \$3000
2011	“Electronic Health Record Curriculum in Informatics Education.” P.I \$3000 curriculum development award
2005 to 2007	“Advancing Academic and Community Practice Through IAIMS.” Start Feb 15, 2005: End 12/14/2007, Budget \$296,000. Principle Investigator: John Windle, MD. National Library of Medicine
2003 to Current	Site PI for National Emergency Airway Registry. PI: Ron Walls, MD,
2002 to 2003	“Development Of Simulation Programs For Emergency Department Educational Programs.” UNMC Dean’s Educational Grant. 4/2002-4/2003. Total budget \$4945. PI: James McClay, MD
2001 to 2006	“Standards-Based Interoperable Guideline Systems” funded by the ATP of NIST starting 11/2001: End 11/2006. Total budget \$18,799,000, Principle investigator: Nick Beard of IDX, Inc; Co-investigators at UNMC: Jim Campbell, MD

**OTHER POSITIONS:**

1/98 to 12/00	Medical Director and General Partner, Interface Testing Systems, LLC.
7/94 to 7/99	Director of Medical Informatics, Emergency Physicians Medical Group, PC, Ann Arbor, Michigan
8/93 to 7/94	Medical Director of Research and Development, Medical Intelligence, Inc/GMIS, Brookline, Massachusetts
1/91 to 7/94	Emergency Physician, New England Memorial Hospital (later Boston Regional Medical Center), Stoneham, Massachusetts.
10/86 to 3/01	Emergency Physician, St Joseph Mercy Hospital, Ann Arbor, Michigan

**CONSULTING POSITIONS:**

2014	American College of Emergency Physicians Sections Task Force. Review grant proposals and make funding recommendations to the Board.
11/12 to Current	American Medical Informatics Association Item Writing Committee for Clinical Informatics Certification Practice Exam
5/13 to Current	American College of Emergency Physicians Quality Measures Technical Expert Panel
6/07	Chair, Emergency Department Solutions Track, GE Healthcare PAG-CIO Forum, June 8, 2007; Seattle, WA
10/06	Co-Chair, Information Standards Track: Towards Vocabulary Control for Chief Complaint: A National Symposium. October 18, 2006, Baltimore
10/05 to Current	HL7 Liaison, American College of Emergency Physicians



7/01 to 12/06	Physicians Advisory Committee for IDX Systems Corporation, Seattle, Washington
2/98 to 10/98	Development of the Clinical Performance Manager Workstation a software application to measure and improve the quality of care. Medstat, Inc., Ann Arbor, Michigan.
1995 to 1999	e.MD Editorial Board, McGraw-Hill

#### **MEMBERSHIPS/OFFICES IN PROFESSIONAL SOCIETIES:**

Health Information Management Systems Society (HIMSS)  
 American College of Emergency Physicians (ACEP)  
 Society for Academic Emergency Medicine (SAEM)  
 Nebraska Chapter of The American College of Emergency Physicians  
 Metro Omaha Medical Society  
 American Medical Informatics Association  
 Founding member Emergency Department Benchmarking Alliance  
 Founding member ACEP Section of Emergency Medical Informatics

#### **INTERNATIONAL**

2005 to Current	Co-chair of the Health Level 7 Emergency Care Work Group. Formal responsibility for development of international interoperability standards for Emergency Care Information .
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#### **NATIONAL**

2/12 to current	American Medical Informatics Association WorkGroup Committee
2/12 to current	American Medical Informatics Association Education Committee
11/11 to current	Nebraska HIMSS Program Committee
10/08 to 10/11	Chair, Section of Emergency Medical Informatics, American College of Emergency Physicians. This 300 member section provides oversight for emergency medical informatics in the United States.
2007 to 2009	Certification Commission for Healthcare Information Technology (CCHIT) Emergency Department Workgroup. Developed certification criteria for Emergency Department Information Systems
2005 to 2006	SAEM Grants Committee
2005 to 2006	American Medical Informatics Association Publication Committee
2003 to 2004	Program Committee for SAEM Scientific Conference
1999 to 2000	ACEP Public Relations Committee
1999 to 2000	Chair, Technology sub-committee of the ACEP Public Relations Committee

#### **UNIVERSITY AND HOSPITAL COMMITTEE SERVICE:**

2013 to current	Chair, OneChart Physician Advisory Team.
2013 to current	Chair, Biomedical Informatics Graduate Program Committee.
2012 to current	UNMC Graduate Council
2012 to 2013	Enterprise OneChart Physician Advisory Team
2013 to current	Enterprise Research and Education Governance Committee
2011 to 2012	OneChart (EHR) Physician Leadership Team
2011 to Current	OneChart (EHR) Clinical Content Integration Governance
2011 to 2012	Clinical Research and Quality Leadership Team
2010 to 2013	Chair, Biomedical Informatics Task Force
2009 to 2012	Clinical Documentation Integrity Steering Committee
2005 to 2012	Chair, the Nebraska Medical Center Information Standards Committee
2005 to 2009	The Nebraska Medical Center Innovations Committee
2005 to 2012	Clinical Safety Initiatives Implementation Committee
2005 to 2012	Physician Workflow Management Steering Committee
2002 to 2012	Clinical Information Management

2002 to 2005 Chair, Clinical Advisory Committee  
 2002 to 2005 Chair, Health Informatics Curriculum Committee.  
 2001 to 2004 IAIMS Grant Task Force.  
 2001 to 2003 Computerized Decision Support Committee.

### COMMUNITY SERVICE:

2013 to 2015 Judge, Midwest Student Biomedical Research Forum  
 2006 to 2007 Nebraska Health Information Initiative Technical Committee  
 2005 to 2010 Metro Omaha Medical Society Informatics Committee  
 2005 to 2010 Millard School District Medical Advisory Committee  
 2001 to 2006 Omaha Metropolitan Medical Response Steering Committee

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#### REFEREED ARTICLES – Published

Kettelhut V, Van Shooneveld T, **McClay JC**, Fruhling A; “Applying the Rules of Image Construction to Graphical Representation of Infection Prevention Contextual Data in a Communicable Format.” HCI International 2015, Los Angeles, CA, August 2-7, 2015

**McClay JC**, Park P, Janczewski M, Langford L; Standard for Improving Emergency Information Interoperability: The HL7 Data Elements for Emergency Department Systems (DEEDS). J Am Med Inform Assoc 2015; (in press)

Tarrell A, Grabenbauer L, **McClay J**, Windle J, Fruhling AL.; “Toward improved heuristic evaluation of EHRs.” Health Systems 17 October 2014 :1-13; ePub

Campbell WS, Campbell JR, West WW, **McClay JC**, Hinrichs SH. “Semantic analysis of SNOMED CT for a post-coordinated database of histopathology findings.” J Am Med Inform Assoc 2014; May 15, ePub

Windle T, **McClay JC**, Windle R. “The Impact of Domain Knowledge on Structured Data Collection and Templated Note Design.” Appl Clin Inform 2013; 4 (3): 317-330

Farley HL., Baumlin KB, Hamedani AG, Cheung DS, Edwards MR, Fuller DC, Genes N, Griffey RT, Kelly JJ, **McClay JC**, et al. "Quality and Safety Implications of Emergency Department Information Systems." Annals of Emergency Medicine (2013).

Grabenbauer L, Fraser R, **McClay J**, Woelfl N, Thompson C, Campbell J, Windle J.; Adoption of Electronic Health Records: A Qualitative Study of Academic and Private Physicians and Health Administrators. Appl Clin Inf 2011; 2:165-176

Kawamoto K, Del Fiore G, Strasberg HR, Hulse N, Curtis C, Cimino JJ, Rocha BH, Maviglia S, Fry E, Scherpbier HJ, Huser V, Redington PK, Vawdrey DK, Dufour JC, Price M, Weber, JH, White T, Huges, KS, **McClay JC**, Wood, C, Eckert K, Bolte S, Shields D, Tattam PR, Scott P, Liu Z, McIntyre AK; “Multi-National, Multi-Institutional Analysis of Clinical Decision Support Data Needs to Inform Development of the HL7 Virtual Medical Record Standard” JAMIA 2010

Melnick ER, Nielson JA, Finnell JT, Bullard MJ, Cantrill SV, Cochrane DG, Halamka JD, Handler JA, Holroyd BR, Kamens D, Kho A, **McClay J**, Shapiro JS, Teich J, Wears RL, Patel SJ, Ward MF, Richardson LD; Delphi Consensus on the Feasibility of Translating the ACEP Clinical Policies Into Computerized Clinical Decision Support. Ann Emerg Med. 2010 Oct;56(4):317-2

Tran P, Reed EJM, Hahn F, Lambrecht JE, **McClay J**, Omojola MF; Incidence, radiographical features, and proposed mechanism for pneumocephalus from intravenous injection of air. WJEM 2010; 11(2); 180-5

Haas SW, Travers D, Tintinalli JE, Pollock D, Waller A, Barthell E, Burt C, Chapman W, Coonan K, Kamens D, **McClay J**. Toward vocabulary control for chief complaint. Acad Emerg Med 2008; 15(5):476-82

Tu SW, Campbell JR, Galsgow J, Nyman NA, McClure R, **McClay J**, et. al; The SAGE Guideline Model: Achievements and Overview. JAMIA 2007; 14 (5); 589-98

**McClay JC**, Campbell J, Parker C, Hrabak K, Tu S, Abarbanel R. Structuring Order Sets for Interoperable Distribution. AMIA Annu Symp Proc. 2006: 549-53

Tu SW, Hrabak KM, Campbell JR, Glasgow J, Nyman MA, McClure R, **McClay J**, Abarbanel R, Mansfield JG, Martins SM, Goldstein MK, Musen MA. Use Of Declarative Statements In Creating And Maintaining Computer-Interpretable Knowledge Bases For Guideline-Based Care. AMIA Annu Symp Proc. 2006;;784-8.

Tu SW, Musen MA, Shankar R, Campbell J, Hrabak K, **McClay J**, et al.; Modeling Guidelines for Integration into Clinical Workflow: MedInfo, September 2004

Windle J, Van-Milligan G, Duffy S, **McClay J**, Campbell J; Web-based Physician Order Entry: An Open Source Solution with Broad Physician Involvement. Proc AMIA Symp. 2003

**McClay J**. Wireless Computing And Health Care. J Med Pract Manage. 2003 Mar-Apr;18(5):250-5.

**McClay JC**, Campbell J. Improved Coding of the Primary Reason for Visit to the Emergency Department Using SNOMED. Proc AMIA Symp 2002:499-503

Augustine JJ, **McClay J**; Best Practices In The Best Places: Benchmarking In The Emergency Department. Best Practices Benchmarking Healthc. 1997 2(6) 274-8

Bergeron, B, **McClay, JC**; Voice Recognition: Current Status as an Enabling Tool for Clinical Data Capture. Healthcare Information Management, 1996 10(3): 67-72

### **ABSTRACTS AND PRELIMINARY COMMUNICATIONS**

Daniel N, Barksdale A, Lander L, Barthold C, **McClay J**; “Are Emergency Medicine Residents “Missing” Central Line Training? Retrospective Review of Central Venous Catheters Placed In and Out of The Emergency Department.” Acad Emerg Med 2014; 21(5) S1. pp S171-2

**McClay JC**, Coonan K, Langford LH, Kamens D, Park PJ; “The HL7 Specification of the Data Elements for Emergency Department Systems (DEEDS)”, American Medical Informatics Association, November 5, 2012, Chicago, Ill

**McClay JC**, Park PJ, Langford LH, Marr SD, Coonan K, Kamens, D; “Toward a Standard Model of Emergency Care Information: Application of HL7 Domain Analysis Modeling to Emergency Care”, American College of Emergency Physicians Research Forum, October 8-9, 2012, Denver, CO

Sullivan J, **McClay JC**; “Airway Management at a Regional Trauma Center: An Analysis of Resident Experience”, SAEM Great Plains Regional Research Forum, September 10, 2011, St Louis, MO

**McClay JC**, Nielson JA, Hersh W; “Analysis of the ACEP-AMIA 10x10 Program to Train Emergency Physicians in Medical Informatics”, AMIA 2009 Annual Symposium, San Francisco, CA.

Cramer J, Windle JR, Duffy S, Grabenbauer LA, **McClay J**; “Facilitating Order Set Management in a CPOE Implementation”, AMIA 2009 Annual Symposium, San Francisco, CA.

Windle, T, McCormick, M, Duffy, S, **McClay, J**, Windle, JR, “Templated Notes: One Size Does Not Fit All”, AMIA 2009 Annual Symposium, San Francisco, CA.

**McClay JC**, Neilson JS, Hersh W. “The Emergency Informatics Transition Course: A flexible, on-line course in health informatics for Emergency Medicine Clinicians and Trainees” Innovations in Emergency Medical Education, Society of Academic Emergency Medicine, May 16-17, 2009; Chicago, Ill

**McClay J**. Comparison of Ten-Hour and Twelve-Hour Shifts Demonstrates No Difference in Resident Productivity. Annals of Internal Medicine, 52(4). S151

**McClay J**, Carson R, Wadman M,. “Resident Shift-Hour Productivity: A New Method for Measuring Resident Productivity that Accounts for Variations in Hourly Patient Volumes. SAEM Western Regional Research Forum, March 29, 2008, Costa Mesa, CA

Grabenbauer L, Fraser-Maginn RS, **McClay** JC, Windle JR. "A Qualitative Analysis of Academic and Private Physicians' and Administrators' Perceptions of Health Information Technology" AMIA 2007 Annual Symposium, Chicago, IL

Abarbanel RM, Berg D, Campbell JR, Glasgow JI, Hrabak KM, Mansfield JG, **McClay** J, McClure R, Nyman MA, Parker CG, Tu SW, Weida T, Scheitel SM. Partnerships In Innovation: How We Accomplished the Objectives of the SAGE Project. AMIA Annu Symp Proc. 2006;;1176-8.

**McClay** JC, Banet GA, Lewis LM: Epidemiology and Evaluation of Abdominal Pain in Seniors. ACEP Research Forum 2003, Boston, MA

Beard N, Campbell JR, Huff SM, Leon M, Mansfield JG, Mays E, **McClay** J, Mohr DN, Musen MA, O'Brien D, Rocha RA, Saulovich A, Scheitel SM, Tu SW; Poster: Standards-based Sharable Active Guideline Environment (SAGE): A Project to Develop a Universal Framework for Encoding and Disseminating Electronic Clinical Practice Guidelines: Proc AMIA Symp 2002;;973

**McClay** J, Tran, TP: Epidemiology of Dyspnea in Geriatric Population Presenting to the ED. 12th Annual Midwest Regional SAEM Meeting Sept 13, 2002, Toledo, OH

**McClay**, J: Workflow Management in Occupational Medicine Using the Simple Workflow Access Protocol (SWAP), in Bakken S, ed. J. Proceedings of the Annual Symposium of AMIA, 2001, Washington DC, page 970

Barr P, Little N, **McClay** JC: Using Emergency Department Admission Rates To Guide Training And Guideline Development In: Chute CG, ed. J. Am Med Inf Assoc, symposium supplement, 1998: 970

**McClay**, JC: Collecting Data That Counts: An Architecture for Building a Focused Data Dictionary Based on Active Clinical Practice Guidelines. AMIA Spring Conference, San Jose: AMIA, 1997

**McClay**, JC; Resident Physician Staffing Levels Do Not Alter Attending Physician Productivity in Five Large Academic Emergency Departments. 1996 Annual Meeting of the Society for Academic Emergency Medicine, Denver, Colorado, May 7, 1996

**McClay**, JC, Greenes, RA: The Clinical Algorithm Processor Shell: An Interactive Educational Environment for Clinical Practice Guidelines. Annals of Emergency Medicine, 22(5), 1993: 906.

**McClay** J, Greenes RA, Sanchez R, Abendroth, T: Issues in Converting Published Practice Guidelines into Electronic Format. In American Medical Informatics Association Spring Congress, ed. MJ Ackerman and M Musen. Portland, Oregon: 1992.

### **BOOK CHAPTERS**

- 2014      **McClay** JC. Emergency Department Information Systems; Selection, Installation, and Use. In: Strauss RW, Mayer TA. editors. Emergency Department Management. New York: McGraw-Hill Medical; 2014. p. 390-97
- 1998      Nashed AH, Mandell ML, **McClay** JC; Emergency Department Information Systems; in Managing to Get it Right, Rosen RA. Ed. American College of Emergency Physicians, Houston TX.
- 1997      **McClay**, JC; Information Systems in Risk Management; in Emergency Department Risk Management, Henry G, Sullivan D. ed. American College of Emergency Physicians, Houston.

### **PUBLISHED STANDARDS**

**McClay** JC, Heerman Langford L, Park P, Kamens D, Marr S.; HL7 Version 3 Specification: Data Elements for Emergency Department Systems (DEEDS), Health Level 7, International, May 2012: available at [http://www.hl7.org/implement/standards/product\\_brief.cfm?product\\_id=326](http://www.hl7.org/implement/standards/product_brief.cfm?product_id=326)

Rothenhaus TC, Kamens D, **McClay** J, Coonan K; Emergency Department Information System (EDIS) Functional Profile. HL7 Emergency Care Special Interest Group. Health Level 7 International, 4/15/2007. Available at [http://www.hl7.org/implement/standards/product\\_brief.cfm?product\\_id=18](http://www.hl7.org/implement/standards/product_brief.cfm?product_id=18)

HL7 Clinical Decision Support Work Group, Order Set Publication Draft Trial for Standard Use Ballot – September 2008.

Available at HL7 ballot site: <http://www.hl7.org/v3ballot/html/welcome/environment/>

### **JOURNAL REVIEWER**

2014 to present	<i>Applied Clinical Informatics</i>
2005 to present	<i>Journal of Biomedical Informatics</i>
2002 to present	<i>Annals of Emergency Medicine</i>
1994 to present	<i>Journal of American Medical Informatics Association</i>
1993 to present	<i>Academic Emergency Medicine</i>

### **CONFERENCE REVIEWER**

2012	46th Hawaiian International Conference on System Sciences (HICSS-46)
2011-2012	European Medical Informatics Conference
2001-2013	American Medical Informatics Association Annual Symposium
2001-2013	Society for Academic Emergency Medicine Annual Meeting

### **INVITED PRESENTATIONS:**

#### **NATIONAL**

2014	“The HL7 Common Model of Emergency Care Information: Driving innovation through Standardization” ACEP Informatics Grand Rounds, December 9, 2014: Dallas, TX
2013	“Defining the Next Generation EDIS: Standards Development at HL7.” ACEP Emergency Informatics Consortium, July 22, 2013: Dallas, TX
2013	“Closing the loop on ED Triage Screening.” Epic Advisory Council Meeting, April 26, 2013; Verona, WI
2011	“Emergency Medical Informatics: Past Present and Future.” Grand Rounds, Department of Traumatology & Emergency Medicine, Hartford Hospital, April 2; Hartford, CT
2010	“The Road to Meaningful Use: Where we’ve been and where we’re going.” American College of Emergency Physicians Scientific Assembly, September 29, 2010; Las Vegas, NV
2009	“The Emergency Informatics Transition Course: A flexible, on-line course in health informatics for Emergency Medicine Clinicians and Trainees” Innovations in Emergency Medical Education, Society of Academic Emergency Medicine, May 16-17; Chicago, Ill
2007	“Emergency Department Solutions: Current Emergency Department Information Systems (EDIS) Needs” GE Healthcare PAG-CIO Forum, June 8, 2007; Seattle, WA
2004	“Implementing Clinical Decision Support in the Emergency Department” National Symposium on Emergency Department Information Systems.” December 7, 2004; Chicago, IL
2004	“Clinical Practice Guidelines in Practice” IDX Users Conference, August 2004; Boston, MA
2004	“Making Medical Reference Information Available at the Point of Care” IDX Users Conference, August 2004; Boston, MA
2003	Windle J, Van-Milligan G, Duffy S, McClay J, Campbell J; Theater-Style Presentation: Rapid Deployment of Physician Order Entry using Web-Based, Disease-Specific Order Sets, November 2003, Washington, DC
2003	Panel: “The SAGE Project: Partnerships in Innovation” American Medical Informatics Association Scientific NITC Meeting   July 23, 2015   Page 45

Meeting, November 2003, Washington, DC

- 2003 Panel: "Building a CPOE-Implementation Team" Innovative Informatics for Reducing Medication Errors. April 10-11, 2003, Cambridge, MA
- 2002 "Wireless: Which Tools are Best for You?" Session 107 in Healthcare Informatics & e.MD Expo and Conference, April 10-11, 2002 Rosemont, IL
- 2001 "Tools: Wireless, Voice Recognition, Handhelds-The Works" Session e101 in Healthcare Informatics & e.MD Expo and Conference, April 18-19, 2001 Chicago, IL
- 2000 "Introduction to Information Technology in Healthcare" Healthcare Informatics Conference, May 24, 2000 Chicago, IL

### **REGIONAL**

- 2012 "Re-Architecting the Electronic Health Record from the Ground Up: The HL7 EHR System Functional Model." Nebraska Health Information Management Systems Society Spring Meeting, May 4, 2012, Omaha, NE
- 2011 "Making 'Meaningful Use' Meaningful to Informatics Students." EHR Education: Building a Tech-Savvy Workforce, October 12, 2011; Lincoln, NE
- 2007 "Knowledge Translation for Clinical Decision Support: The SAGE Experience." 3rd Annual Nebraska Research and Innovation Conference, March 21, 2007; Omaha, NE
- 2006 "Standardization of Order Sets for Decision Support in CPOE" Metro Omaha Medical Society Informatics Committee, February 7, 2006
- 2005 Visiting Professor: "SAGE: The Standardized, Sharable, Active Guideline Environment. Research Symposium at The University of Texas School of Health Sciences at Houston, Houston, Texas, July 6, 2005
- 2004 "The SAGE Project"; 25th CMIT Research Roundtable, Peter Kiewit Institute, September 24, 2004
- 2000 "Internet in Emergency Medicine" 27th Annual Michigan Emergency Medicine Assembly. July 18, 2000, Bellaire, Michigan
- 1998 "The Benchmarking Process in Healthcare: Pediatric Fever." 78th Annual Coller-Penberthy-Thirlby Medical Conference. July 24-25, 1998, Traverse City.
- 1996 "Information Analysis in the Emergency Department" in Emergency Department Survival in the Age of Managed Care, Sponsored by The Emergency Department Benchmarking Alliance, April 26, 1996

- 1995 "Introduction to the World Wide Web for Physicians" Emergency Physicians Medical Group, November 7, 1995
- 1995 "Medical Informatics Applications in Practice Guideline Development" University of Michigan Bioengineering Course 890, "Introduction to Research Techniques", October 18, 1995

### **LOCAL**

- 2015 "The Greater Plains Collaborative: Developing the National PCORnet Comparative Effectiveness Research Network." Department of Neurological Sciences Mind and Brain Health Series, UNMC, Omaha, February 4, 2015
- 2014 ""Big Data" and Clinical Informatics." UNMC MD/PhD Scholars Program, UNMC, Omaha, November 6, 2014

- 2014 “Biomedical Informatics at UNMC: Big data yields big insights.” UNMC Center for Clinical and Translational Research Seminar. Omaha, March 17, 2014
- 2013 “OneChart Electronic Health Record.” UNMC Department of Emergency Medicine Grand Rounds, Omaha, March 21, 2013
- 2012 “Secondary Use of Clinical Data for Disease Surveillance and Population Health: Translational Informatics at The Nebraska Medical Center”, UNMC College of Public Health, Omaha, April 18, 2012
- 2012 “Electronic Medical Records at The Nebraska Medical Center.” ISQA 8080-A Seminar in Management Information Systems, University of Nebraska Omaha, Jan 27, 2012
- 2011 “The Meaningful Use of Health Information Technology in the Emergency Department” UNMC Department of Emergency Medicine Grand Rounds, Omaha, February 17, 2011
- 2009 “Electrolytes in the emergency department,” UNMC Physician Assistants Seminar, Omaha, 6/2009
- 2008 “Clinical Quality Improvement and the Role of Emergency Medical Informatics”, UNMC Department of Emergency Medicine Grand Rounds, Omaha, October 16, 2008

#### **TEACHING ACTIVITIES:**

##### **PARTICIPATION IN TEAM-TAUGHT COURSES**

- 2008-2014 Instructor, AMIA-ACEP 10X10 Informatics Transition Course. Trained over 130 Emergency Physicians in informatics.
- 2008-2010 Interprofessional Teams and Quality in Healthcare, UNMC
- 2005 PBL facilitator, UNMC
- 2005-2010 Knowledge Management in Clinical Information Systems, Clinical Systems Architecture and Function
- 2003 PBL facilitator, UNMC

##### **COURSES TAUGHT**

- 2013, 2014 BMI 810 Introduction to Biomedical
- 2012-present BI 970 Translational Informatics Seminar
- 2010, 2011 SURG850/ISQA8500 Advanced Topics in Clinical Informatics: Clinical Decision Support
- 2006-2008 Nurs871/ISQA8710: Introduction to Informatics
- 2006, 2008 SURG850/ISQA8500: Readings in Clinical Informatics

##### **CURRICULUM DEVELOPMENT:**

- 2013 Joint MS/PhD in Biomedical Informatics at University of Nebraska. Resulted in formal joint program and transition to chair.
- 2011 BI810: Introduction to Biomedical Informatics, course coordinator
- 2010 Chair BioMedical Informatics Task Force Program Development, University of Nebraska
- 2005 Master’s Degree curriculum for Medical Sciences Interdepartmental Area Health Informatics Concentration,

### **GRADUATE STUDENT SUPERVISION**

Bret Gardner, Chair, Dissertation Committee & Faculty advisor MD/PhD Candidate

W. Scott Campbell, Dissertation committee: "A Conceptual Framework for Capture, Retention and Utilization of Pathologist Knowledge Using Whole Slide Imaging" Defended 2/2013. Winner, Thomas Jefferson Ingenuity Award.

Lisa Grabenbauer, Dissertation Committee, PhD candidate

Valaryia Kettelhut, MD, MPH, Chair, Dissertation Committee, PhD candidate

Ann Skinner. Chair of Masters advisory committee (2014)

### **TUTORIALS:**

"Multi-disciplinary Plan of Care." American Medical Informatics Association Scientific Meeting. November 2003, Washington DC

### **RESIDENT RESEARCH PRECEPTOR**

Nicholas Daniel, MD "Are Emergency Medicine Residents "Missing" Central Line Training? Retrospective Review of Central Venous Catheters Placed In and Out of The Emergency Department." 2014

Tom Spiegel, MD "The Effect of Barometric Pressure and Temperature Changes on ED Patient Arrivals." 2008

### **EMERGENCY MEDICINE RESIDENTS CORE CURRICULUM COURSE**

Abdominal Pain, 6/06

Abdominal Trauma, 10/05, 5/07

Acute Coronary Syndromes, 10/04, 2/06, 7/07, 5/08, 7/10

Acute Myocardial Infarction, 5/05, 2/06, 7/07, 7/08

Cost Effective Use of Radiology, 7/04

Cystitis/Pyelonephritis, 11/04, 8/05, 9/08

Elbow and Wrist Injuries, 6/07

Electrolytes I & II, 9/04

Emergency Medical Informatics, 7/04, 3/08

Geriatric Trauma, 10/05, 5/07, 6/08

Health Information Exchange with NeHII, 9/10

Occupational Exposure, 11/04, 11/06

Overuse Syndromes, 3/05, 3/08

Pediatric Asthma, 12/04

Throat Abscesses, 11/05, 6/08

Weak & Dizzy, 7/04, 7/05, 7/06, 7/08

**Revised 2/13/2015**



**Nebraska Information Technology Commission  
EDUCATION COUNCIL**

**2015-17 Membership Renewals/Replacements EXPIRING June 30, 2015**

<u>Name</u>	<u>Representing</u>	<u>Status</u>
<b><u>HIGHER EDUCATION (2015-17 term)</u></b>		
<b><u>Mark Askren</u></b>	UN System	<b>Hank Bounds confirmed (7/8/15)</b>
Mike Carpenter	Independent Colleges & Universities	<b>Tip O'Neill confirmed (7/6/15)</b>
Derek Bierman	Community College System	<b>Dennis Baack confirmed (5/28/15)</b>
Steve Hotovy	State College System	<b>Stan Carpenter confirmed (5/26/15)</b>
<b><u>K-12 EDUCATION (2015-17 term)</u></b>		
<b><u>Ted DeTurk</u></b>	Educational Service Units	<b>Dave Ludwig confirmed (6/9/15)</b>
Mike Lucas	Administrators	<b>Mike Dulaney confirmed (XX/XX/15)</b>
Stephen Hamersky	Private Education	<b>John Perkinton confirmed (7/8/15)</b>
Matt Chrisman	Public Teachers	<b>Nancy Fulton confirmed (5/28/15)</b>

**\*Note\***

**Underlined Candidates** are new voting members to the NITC Education Council and have a brief biographical statement attached to this document

**RECOGNITION**

**The Nebraska Information Technology Commission wishes to recognize and thank Dr. Bob Uhing and Ms. Yvette Holly for their many years of distinguished service on the Education Council, in the role of advising the Commission on matters of education technology initiatives, funding, and policy.**

## Biographical Sketches

### **Mr. Mark Askren**

*Mark Askren was hired as Vice Chancellor for Information Technology and Chief Information Officer for the University of Nebraska-Lincoln in August 2009. He replaces Ms. Yvette Holly on the Education Council as representative of the University of Nebraska. Mark had previously worked as assistant vice chancellor for administrative computing services for University of California-Irvine. Mr. Askren earned an MBA in business economics and public policy from Indiana University. Mark's current responsibilities include oversight of UNL's Information Technology Services department and recommendation of governance and performance metrics in support of the core campus mission.*

### **Dr. Ted DeTurk**

*Ted DeTurk has worked for ESU 2 since July, 2014 as administrator of the Unit in Fremont. He replaces Dr. Bob Uhing on the Education Council as a representative of the Educational Service Unit Coordinating Council. Ted had previously worked as superintendent for the West Point Public Schools District since 2004, and earlier as a middle school principal for Grand Island Public Schools. Dr. DeTurk earned his Ed.D. Degree from the University of South Dakota-Vermillion, majoring in Educational Administration. With expertise in school conflict and passing bond issues, Ted has caused positive technology changes to happen wherever he has worked.*

July 16, 2015

**To:** NITC Commissioners

**From:** Nathan Watermeier, State GIS Coordinator  
Bill Wehling, Chair, GIS Council  
Tim Cielocha, Vice-Chair, GIS Council

**Subject:** GIS Council Report

### **Membership Update**

There are two GIS Council seats up for renewal in September 2015. Notification went out in May to the League of Nebraska Municipalities (LNM) and the Nebraska Association of Resource Districts (NARD) to seek either renewals or replacements for their seats.

The LNM has reappointed Lash Chaffin (Lincoln) and the NARD has appointed Jeff Sprock (Scottsbluff). Jeff Sprock represents the North Platte Natural Resources District in Scottsbluff, Nebraska and replaces John Miyoshi. Both candidates have been forwarded to the Governor's office for final approval. By statute, these seats are nominated by LNM and NARD and are appointed by the Governor. The NITC does not provide further nomination for either NARD or LNOM.

### **NESDI Strategic Initiative Update**

#### Elevation

The Elevation Business Plan was approved by the GIS Council on March 26, 2015. The business plan is posted at the following location:

[http://nitc.ne.gov/gis\\_council/workgroups/elevation/documents/NITCGISCouncilElevationBusinessPlan2015.pdf](http://nitc.ne.gov/gis_council/workgroups/elevation/documents/NITCGISCouncilElevationBusinessPlan2015.pdf).

The plan outlines the business case for LiDAR statewide. The plan takes a comprehensive approach and details the organizational needs, technology and human resource requirements, required product deliverables, funding requirements, legislative support, implementation plans, and a marketing and outreach strategy.

Implementation has already begun to start building local and federal partners to begin acquiring LiDAR data for priority areas of Nebraska. The working group was successful in receiving a cost-share contract with the United States Geological Survey (USGS) to begin acquiring LiDAR data in western Nebraska (Figure 1). This effort was a result of several partners working together. These partners involved several Natural Resource Districts (NRD), State agencies, Natural Resources Conservation Service (NRCS), Federal Emergency Management Agency (FEMA), and USGS.

The proposed area covers almost a 4,500 square mile area in western Nebraska that abuts Colorado and Wyoming. The estimate for the project is \$1.3 million with USGS providing up to 50% match. The funds are currently being allocated towards the project to start the contract. A statement of work is being finalized on the technical details for the data acquisition requirements and timeline. The contract is administered by the USGS so they work with the photogrammetry industry to align vendors to acquire the data. We are expected to begin flight acquisition as soon as this fall. Due to other nationwide projects and weather it could also begin after March of 2016.

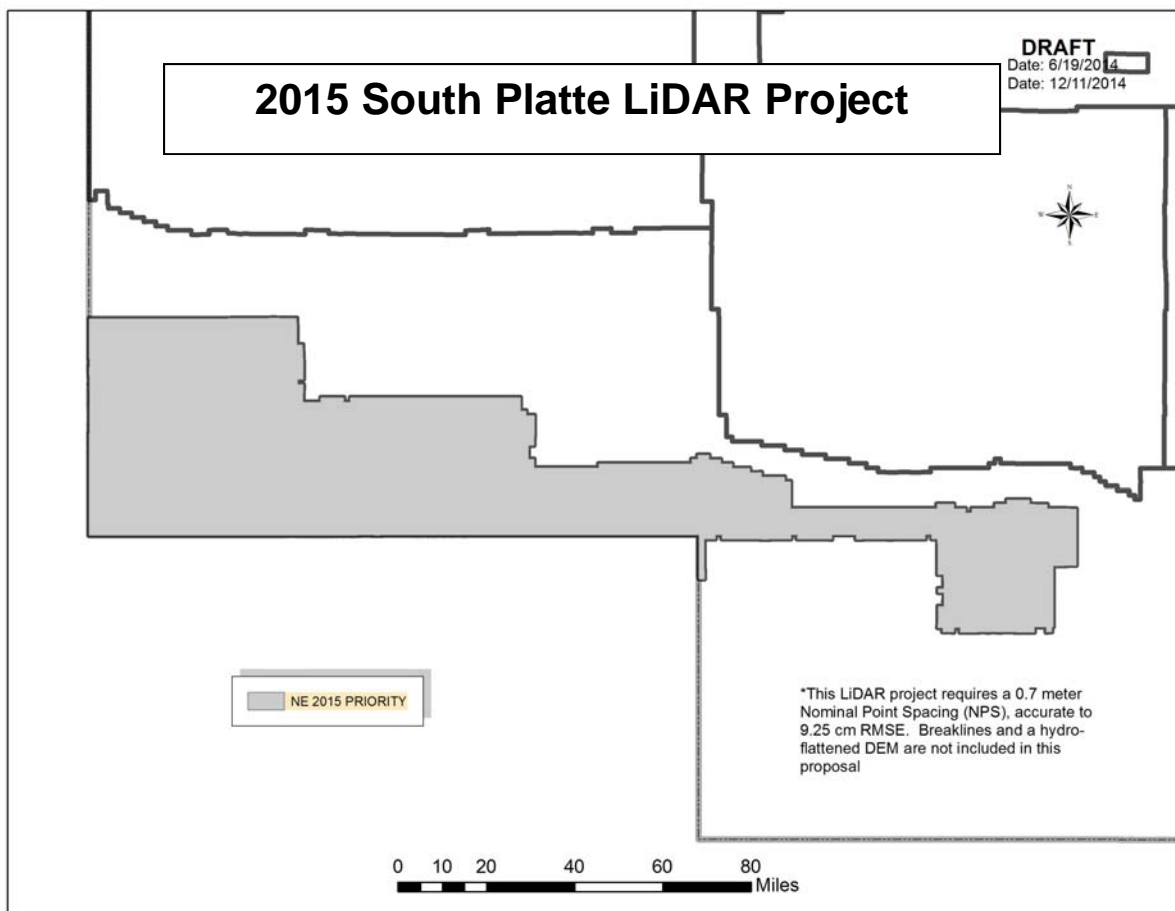


Figure 1. The 2015 South Platte LiDAR project area.

### Land Records

A Nebraska Statewide Parcel Geodatabase Development and Implementation Plan was finalized in May with input from several county assessors. The plan outlines expectations of the State's public records request and a timeline going forward to obtain core parcel data and GIS files. This is an ongoing plan to work with counties annually for two data updates per year. The plan involves four phases and implementation began in early June. We are currently in Phase 2. This effort has also leveraged a data sharing partnership effort by working together and identifying state level data that can also go back to counties to support their needs.

### Street Centerline Address Database

Efforts have been underway to communicate the recent street centerline and address standards to those involved with public safety and emergency management. The standards were presented to the State E-911 Advisory Board to begin to address questions and begin developing partnerships to further build recommendations going forward as we develop plans to transition to NG-911. A Statewide Street Centerline and Address Data model with data definitions have been drafted. This will be used to further communicate to participants who use state funds for projects developing street centerline and address data for the state in order to begin standardizing efforts going forward.

Until seamless address data becomes available to the state, several state agencies have partnered towards a shared service for a statewide ELA contract with InfoGroup to acquire statewide address and





















demographic data for the state. It is available to any state agency, city/local government, other state eligible political subdivision, college, or university (except University of Nebraska Medical Center). The OCIO has leveraged the data to be made available in several formats and map services.

#### NebraskaMAP

The inventory process of evaluating geospatial data is still continuing. There are many geospatial data sets that are not meeting NITC Metadata standards. This is one of the requirements to be fulfilled before data can be made publicly available through the new clearinghouse. A geospatial data and content management policy has been drafted and will be shared with the GIS Council at their next meeting. This policy has also brought about a need to investigate a data and information retention policy specific for geospatial data with assistance of the Secretary of State's office. Meanwhile, the working group is developing plans to assist those with updating their metadata records. Several online tools, guides, and support information is currently being constructed to guide users through the metadata documentation process.

























A data management and cataloging system designed specifically for geospatial data has been assembled and is currently being tested for security through the OCIO Open Systems team. The new platform will also be mobile ready to allow users several ways to download or link to data.

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of July, 2015**

Project: <b>LINK – Procurement</b>			Contact: <b>Bo Botelho</b>		
Start Date	01/14/2013	Orig. Completion Date	10/31/2013	Revised Completion Date	Pending
	July	June	April	February	December
Overall Status					
Schedule					
Budget					
Scope					
<b>Project Description</b> Workday Procurement standardizes business processes for procurement documents. Workday Procurement will be the data entry location for all procurement documents (requisitions, purchase orders and contracts). Approvals and printing of the documents will be processed in Workday. Selected supplier websites will be available for access to state contracted pricing through punch-out capability. Purchase Orders will be interfaced in to the State's financial system for encumbering, receipts, and accounts payable. Suppliers will be available for selection in Workday and their associated commodities and procurement contact information will be maintained within Workday.  Project Estimate: \$1,895,800 (\$1,624,009.27 has been expended)					
<b>Comments</b>					
<b>July update:</b> The Workday Procurement project requests to be closed for NITC reporting.  <b>April Update:</b> The Workday Procurement project has been suspended. The Department will continue to prioritize the current upgrading of the EnterpriseOne financial system and ongoing support of the existing HCM solution.					

























# Nebraska Information Technology Commission

## Enterprise Project Status Dashboard – as of July, 2015

Project: Network Nebraska Education			Contact: Tom Rolfes			
Start Date	05/01/2006	Orig. Completion Date	06/30/2012	Revised Completion Date	08/01/2015	
	July	June	April	February	December	October
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b> Network Nebraska-Education is a statewide consortium of over 260 K-12 and higher education entities working together to provide a statewide backbone, commodity Internet, distance education, and other value-added services to its participants. Network Nebraska-Education is managed by the State Office of the CIO partnering with the University of Nebraska Computing Services Network (UNCSN).  Project Budget (2014-15): \$717,781 (\$612,873 has been expended)						
<b>Comments</b>  <b>July update:</b> Fifteen (15) new entities are expected to join Network Nebraska-Education on 8/1/2015.  Since the last reporting period, the Network Nebraska Advisory Group (NNAG) and the Collaborative Aggregation Partnership (CAP) finalized the budgets and monthly fees for the Participation Fee, Interregional Transport Fee, and the Internet Cost Center. The summer project implementation for new members (14 public school districts and the Lincoln Diocese schools) and backbone upgrades (to ESU 3 and to ESU 6) were approved. On July 1, all cutovers and circuit upgrades were to be completed unless the Participant requested otherwise. The primary Internet egress in Omaha was switched to Cogent Communications and data was flowing, and the expiring service with Unite Private Networks will soon be terminated.  <b>June update:</b> Since the last reporting period, State Purchasing has signed a contract with Cogent Communications for Internet service out of 1623 Farnam in Omaha. The unit cost is expected to decrease to \$0.67/Mbps/month, or about a 50% drop in price. The 14 ESU 3 schools and the 32 Lincoln Diocese schools will be joining the network on 7/1/2015. The Network Nebraska Advisory Group recommended implementation of dynamic provisioning of Internet for the upcoming year, which will permit Network Nebraska to experience some cost avoidance by reducing the purchase of unused Internet bandwidth, and redirecting those funds into the hardware and infrastructure to deliver the Internet. Internet orders submitted by K-12 and Higher Education totaled 32 Gbps, of which 24 Gbps will be purchased to start the year. The revised deadline for E-rate filing was April 16, 2015 and all E-rate documents were filed properly by the OCIO.  <b>Additional Comments/Concerns:</b> The Network Nebraska-Education Participation Fee fund account has been updated with the 2014-15 estimated costs and the 4th quarter UNCSN invoice submitted on 6/22/2015. The fourth quarter UNCSN invoice revealed that IT Consulting-UNCSN was 1% over budget by \$2,081; Equipment Maintenance was over budget by \$66,771; Software Maintenance was over budget by \$17,295; and Training-UNCSN was over budget by \$2,867. The overall annual revenue and expenses produced an estimated positive variance of approximately \$105,000.  Even though the Chief Information Officer fulfilled the Legislative benchmark of “providing access (the ability to connect) to every public K-12 and public higher education entity at the earliest date and no later than July 1, 2012” [Neb. Rev. Stat. 86-5,100], the NITC Technical Panel has extended the enterprise project designation for Network Nebraska-Education until 8/1/2015 so that all public school districts that want to participate have actually connected.						

# Nebraska Information Technology Commission

## Enterprise Project Status Dashboard – as of July, 2015

<b>Project: Nebraska State Accountability (NeSA)</b>		<b>Contact: John Moon</b>		<b>(formerly Statewide Online Assessment)</b>		
Start Date	07/01/2010	Orig. Completion Date	06/30/2011	Revised Completion Date	6/30/2015	
	July	June	April	February	December	December
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b> Legislative Bill 1157 passed by the 2008 Nebraska Legislature required a single statewide assessment of the Nebraska academic content standards for reading, mathematics, science, and writing in Nebraska's K-12 public schools. The new assessment system was named Nebraska State Accountability (NeSA), with NeSA-R for reading assessments, NeSA-M for mathematics, NeSA-S for science, and NeSA-W for writing. The assessments in reading and mathematics were administered in grades 3-8 and 11; science was administered in grades 5, 8, and 11; and writing was administered in grades 4, 8, and 11.  Project Estimate: \$5,650,865 (\$4,981,968.50 has been expended)						
<b>Comments</b>  <b>July update:</b> On July 7 a WebEx for districts about NeSA-RMS reports training was completed. NDE is working with districts to review student data results for any resolutions necessary due student movement etc. Districts will receive their data on July 8 <sup>th</sup> and have until July 29 <sup>th</sup> to identify appropriate not tested codes for resolution. Final reports in eDirect and on the State of the Schools Reports will include these in all corrections.  Work continues on the transition of English Languages Assessments to technology enhanced items of field testing in 2016 and operational testing in 2017.  <b>June update:</b> The amendment to the 2015-2016 DRC (Data Recognition Corporation) contract increased the budget by \$286,457. See April 7 comments for details.  The NDE assessment office has noted along with DRC that the frequency of testing issues were minimal for the 2015 testing year. The test window for NeSA - Reading, Math, and Science (NeSA-RMS) closed on May 9 <sup>th</sup> with 718,176 test sessions. As of May 9, 2015, there were about 42,000 online test sessions per subject per grade. Over 4,000 students used the text-to-speech accommodation for reading and math while a little over 2,000 student used it for science. Students used the Spanish version of the online assessments for 350 reading, 518 math and 190 science tests.  On July 18 <sup>th</sup> DRC will deliver student results for reading, math, science and writing to the state and respective districts through eDIRECT. This year districts will use the month of July to determine changes to "not tested codes" and ask NDE to incorporate any changes into the reports/data published later in August.  The new contract starting July 1, 2015 has been signed by DRC and NDE. The planning meeting for 2015-2016 was completed on May 28, 2015 at the DRC headquarters in Minneapolis. The new contract includes the continuation of the full-time technical resource based in Nebraska and the development of items/assessments measuring the new English Language Arts (ELA) standards. The new items will include technology enhanced ELA items to be field tested in 2016.  <b>Additional Comments/Concerns:</b> Nebraska State Accountability (NeSA) is a statewide assessment system mandated by Nebraska Statute. Nebraska						



























***Nebraska Information Technology Commission  
Enterprise Project Status Dashboard – as of July, 2015***

























Department of Education has contracted with Data Recognition Corporation (DRC) to continue the development of the assessment system including management, development, delivery, administration, scanning/imaging, scoring, analysis, reporting, and standard setting for the online and pencil/paper reading, science, writing, and mathematics tests (NeSA-RMS) for July 1, 2014 through June 30, 2015. DRC will facilitate the delivery, administration, scanning/imaging, scoring, analysis, and reporting for the alternate pencil/paper reading, science, and mathematics tests during the same assessment window. DRC will deliver the online writing assessment (NeSA-W) for grades 8 and 11 and the pencil/paper writing assessment for grade 4 as well.

## **Nebraska Information Technology Commission**

### **Enterprise Project Status Dashboard – as of July, 2015**





















<b>Project: Nebraska Regional Interoperability Network (NRIN)</b>			<b>Contact: Sue Krogman</b>			
Start Date	10/01/2010	Orig. Completion Date	06/01/2013	Revised Completion Date	09/30/2016	
	July	June	April	February	December	October
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b> <p>The Nebraska Regional Interoperability Network (NRIN) is a project that will connect a majority of the Public Safety Access Points (PSAP) across the State by means of a point to point microwave system. The network will be a true, secure means of transferring data, video and voice. Speed and stability are major expectations; therefore there is a required redundant technology base of no less than 100 mbps with 99.999% availability for each site. It is hoped that the network will be used as the main transfer mechanism for currently in-place items, thus imposing a cost-saving to local government. All equipment purchased for this project is compatible with the networking equipment of the OCIO.</p> <p>Project Estimate: \$10,820,003 (\$8,915,330.26 has been expended)</p>						
<b>Comments</b> <p>NEMA is struggling with issues of governance and maintenance of the network. Governance would be needed at the local jurisdiction and not at the state agency (there is no state agency heading the project, it's all run at the local jurisdiction). There is no formal governance heading the project.</p> <p><b>July update:</b>  The Deviation Contract was approved by DAS with an amendment removing the reference to any MSA contract with the OCIO. Cornerstone began work immediately upon the signature of the document and they are significantly engaged in progressing rapidly on this project to do a possible loss of grant dollars for both FY2013 and FY2014. NEMA and Cornerstone have had several meetings with the locals to re-connect from where the project was left. Efforts are not being made with the East Central Region on acquiring a place to store their spares. Dates have been changed to reflect the 3 month changeover from the OCIO MSA to the deviation contract.</p> <p><b>June update:</b>  The deviation contract was submitted to DAS/OCIO. The justification for the request was losing grant dollars as well as the current situation that the project is in. Multiple parts and pieces of inventory in the warehouse as well as towers that are in various stages of completion. The request was sent through Brenda Paper to Brenda Decker. Had meeting with NEMA Assistant Director Bryan Tuma, NEMA Grants Manager, Nikki Weber, OCIO Brenda Decker and Jayne Scofield on Wednesday, May 27<sup>th</sup>, 2015. NEMA provided an explanation of the current situation of where project is as well as grant dollar timelines. Currently waiting for approval of Contract.</p> <p><b>Additional Comments/Concerns:</b>  It's possible that upcoming target dates might be missed. Based on the uncertainty of the infrastructure needed for the project and the time involved in obtaining the environmental approvals to proceed with the project, any target dates are fluid. Delays are inevitable due to the difficulty in locating adequate tower sites and negotiating leasing agreements and/or MOU's.</p> <p>Project is moving forward with two Contractors that have Master Service Agreements with the OCIO. Current grant year dollars have been extended for 6 months, as well as the MOU with OCIO.</p>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of July, 2015**

Project: <b>MMIS</b>				Contact:		
Start Date	N/A	Orig. Completion Date	N/A	Revised Completion Date	N/A	
	July	June	April	February	December	October
Overall Status						
Schedule						
Budget						
Scope						
Comments						
<p>Project On Hold until renewed</p> <p>Funding has been appropriated for a MMIS replacement in the current biennial budget starting July 1, 2014. Once the project moves forward (a RFP will be developed) DHHS will resume monthly reporting.</p>						

## Nebraska Information Technology Commission

### Enterprise Project Status Dashboard – as of July, 2015

Project: District Dashboards			Contact: Dean Folkers		
Start Date	07/01/2013	Orig. Completion Date	06/30/2015	Revised Completion Date	06/30/2016
	July	June	April	February	December
Overall Status					
Schedule					
Budget					
Scope					
<b>Project Description</b> <p>Made possible by a Statewide Longitudinal Data System (SLDS) grant from the United States Department of Education in 2012, the focus of the Nebraska Ed-Fi Dashboard initiative is to provide readily available data to the Nebraska classrooms to facilitate informed decision-making. Potential users include teachers, counselors, and administrators. NDE intends to leverage the Ed-Fi dashboard solution made available by the Michael &amp; Susan Dell Foundation to provide Nebraska with an advanced student performance dashboard system to be customized for Nebraska needs. The Ed-Fi data standard will serve to define the initial data elements powering the Nebraska Ed-Fi dashboard.</p> <p>Our Plan of Work for design, development, and piloting of the Nebraska Dashboards will commence in three phases, each to proceed subsequently upon successful completion of the previous phase, between the months of September 2013 and December 2014. The phases include: Phase I - Dashboard Readiness (September 2013-February 2014), Phase II – Dashboard Development (February 2014-June 2014), and Phase III – Dashboard Deployment (June 2014-December 2014).</p> <p>Project Estimate: \$466,623.75 has been expended, grant funds only</p>					
<b>Comments</b> <p><b>July update:</b>  A one-year no cost extension was received from the US Department of Education for the project to continue work to June 30, 2016.</p> <p>The project made strong progress during June. DLP (the contractor), Nebraska Department of Education (NDE) and ESUCC completed Phase I &amp; II co-development, integration testing and preparations for district data staging/QA. The pilot districts completed initial validation/certification activities with Pearson in June. Six Pearson pilot districts started data staging activities 6/29 – 6/30 with three of the six districts loading sufficient data to build their district dashboard. District data staging and dashboard QA will continue into July/August.</p> <p>Despite strong progress, the project continues to experience delays in planned staging due to delays in SIS vendor development and integration schedules. Infinite Campus has reported additional delays in planned development and a revised schedule is still pending. Pearson plans to take an iterative approach to developing their complete Ed-Fi interface with development and district staging continuing into July/August.</p> <p>Due to delays with Tyler and Infinite Campus, NDE plans to accelerate activities for ESU3/SIMS and Harris Schools. The expectation is that validation and data staging activities for these vendors will overlap with planned pilot activities.</p> <p><b>June update:</b>  The project continues to experience a month by month slip in planned data staging due to delays in SIS vendor development. Two of three pilot SIS vendors, Pearson and Infinite Campus, have reported additional delays in planned development since the April status update. Tyler Technologies has been moved from the pilot to a later rollout phase based upon delays in developing an Ed-Fi interface for NE. The revised plan is to start staging activities in late spring 2015, dependent upon vendor progress, and reschedule the dashboard limited release testing for fall of 2015 and pilot testing to follow in late fall of 2015.</p> <p>Delays in vendor implementation and data staging will have an impact on the planned start of data warehouse and accountability data mart validation with production data. The team now plans to use summer of 2015 to validate the data</p>					

***Nebraska Information Technology Commission  
Enterprise Project Status Dashboard – as of July, 2015***

warehouse and accountability data mart in staging environment and move production validation efforts to fall of 2015.

























There were some unexpected delays caused by backing out SSO code changes in preparation for AQuESTT conference demo. Additionally there was a regression in behavior and instability introduced due to migration to the 2.0 dashboard codebase and integration with features developed with the Ed-Fi 1.2 codebase. The team spent a couple of weeks in May working on developing a more robust data set for development/demo environments as well as defect corrections for improved quality. Additional resources were added to the project to mitigate the delays, correct quality issues and allow Phase I and Phase II development to continue in parallel where possible.

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of July, 2015**





<b>Project: EnterpriseOne System Upgrade</b>			<b>Contact: Lacey Pentland</b>			
Start Date	10/01/2013	Orig. Completion Date	10/03/2014	Completed Date	04/28/2015	
	July	June	April	February	December	October
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b> <p>The State of Nebraska has been using JD Edwards to support the State's agencies for over ten years. The current EnterpriseOne 9.0 system is relatively stable with a medium level of modifications. The program is planned, as much as possible, to be a technical upgrade with minimal impact on the existing business processes, interfaces and the related applications. The current applications landscape is proposed to be upgraded as follows:</p> <ul style="list-style-type: none"> <li>• Upgrade from E1 9.0 to E1 9.1 to stay current with the JD Edwards technology stack</li> <li>• Migrate/Retrofit required customizations to E1 9.1 based on the keep drop analysis</li> <li>• Be on the latest stack</li> <li>• Simplification of the existing ecosystem – minimize customization, expand usage of JDE application</li> <li>• Leverage standard functionalities provided by new features of E1 9.1</li> </ul> <p>Project Estimate: \$2,250,000 (\$2,581,268.87 has been expended)</p>						
<b>Comments</b>						
<p><b>July update:</b>  The project went live on April 28, 2015. They will begin the process of closing out the project for NITC reporting. The total cost of the project increased due to extending the go-live date from September, 2014 to June 30, 2015 (9 months).</p> <p><u>Current work completed:</u></p> <ul style="list-style-type: none"> <li>• Post Go-Live Support (Resolve outstanding issues from Go-Live) 6/30/2015</li> </ul> <p><u>Next Steps:</u></p> <ul style="list-style-type: none"> <li>• Conduct lessons learned session with upgrade team</li> <li>• Implement Expense Management as a separate project</li> </ul>						

## Nebraska Information Technology Commission

### Enterprise Project Status Dashboard – as of July, 2015

<b>Project: Medicaid Eligibility &amp; Enrollment System</b>				<b>Contact: Eric Henrichsen</b>		
Start Date	10/28/2014	Orig. Completion Date	06/30/2016	Revised Completion Date	1Q – 2017	
	July	June	April	February	December	October
Overall Status						
Schedule						
Budget						
Scope						
<b>Project Description</b> <p>The Affordable Care Act (ACA) included numerous provisions with significant information systems impacts. One of the requirements was to change how Medicaid Eligibility was determined and implement the changes effective 10/1/2014. As a result of the lack of time available to implement a long-term solution, the Department of Health and Human Services implemented a short-term solution in the current environment to meet initial due dates and requirements. This solution did not meet all Federal technical requirements for enhanced Federal funding but was approved on the assumption that a long-term solution would be procured. An RFP was developed and procurement has been completed with Wipro selected as the Systems Integrator for an IBM/Curam software solution.</p> <p>Project Estimate: \$57,741,564 (\$11,116,743 has been expended)</p>						
<b>Comments</b> <p><b>July update:</b></p> <ul style="list-style-type: none"> <li>Preparation for the first Centers for Medicare and Medicaid Services (CMS) Gate Review is progressing well. All documents/artifacts have been completed, and development of a draft presentation is complete. The team is waiting for an agenda and date from CMS at this time. Once received, the presentation will be updated to align with the CMS agenda.</li> <li>Development of the IMS to the end of the Requirements Phase is underway while we wait for CMS to provide a date for the Gate Review That will be followed by preparing IMS for remaining phases in keeping with the rolling wave approach.</li> <li>Core Business Process definition and modeling is complete. Work for non-core business and operational processes will begin after the Requirements Phase planning is complete.</li> <li>Development of preliminary architecture models continues.</li> <li>Installation of the demo system is completed. User setup is underway.</li> <li>Three deliverables were approved early in the project. From March to May there were 14 other deliverables that have received final approval (the project will have approximately 70 deliverables of this form).</li> </ul> <p><b>June update:</b></p> <ul style="list-style-type: none"> <li>Preparation for the first CMS Gate Review is progressing well. All documents/artifacts have been completed, and development of the presentation is underway.</li> <li>Development of the IMS to the end of the Requirements Phase will be finalized after Gate Review. That will be followed by preparing IMS for remaining phases in keeping with the rolling wave approach.</li> <li>Business Process definition and modeling has made good progress.</li> <li>Development of preliminary Architecture models has continued.</li> <li>Creation of the Demo system is nearing completion</li> <li>3 Deliverables were approved early in the project. March-May, 12 other Deliverables have received final or preliminary approvals (project will have approximately 70 Deliverables of this form).</li> </ul> <p><b>Additional Comments/Concerns:</b>  Many state resources are not full-time on the project and have other duties including other Legislative mandates to implement. The vendor is having difficulty in filling key roles on the project.</p>						

**Nebraska Information Technology Commission**  
**Enterprise Project Status Dashboard – as of July, 2015**

Color Legend		
	Red	<b>Project has significant risk to baseline cost, schedule, or project deliverables. Current status requires immediate escalation and management involvement.</b> Probable that item will <b>NOT</b> meet dates with acceptable quality without changes to schedule, resources, and/or scope.
	Yellow	<b>Project has a current or potential risk to baseline cost, schedule, or project deliverables. Project Manager will manage risks based on risk mitigation planning.</b> Good probability item will meet dates and acceptable quality. Schedule, resource, or scope changes may be needed.
	Green	<b>Project has no significant risk to baseline cost, schedule, or project deliverables.</b> Strong probability project will meet dates and acceptable quality.
	Gray	<b>No report for the reporting period or the project has not yet been activated.</b>