

BEHC

Bloomington E-Health Collaborative



RHIOs: Where does Bloomington Fit In?

Indiana HIMSS 2006

Why do HIE?

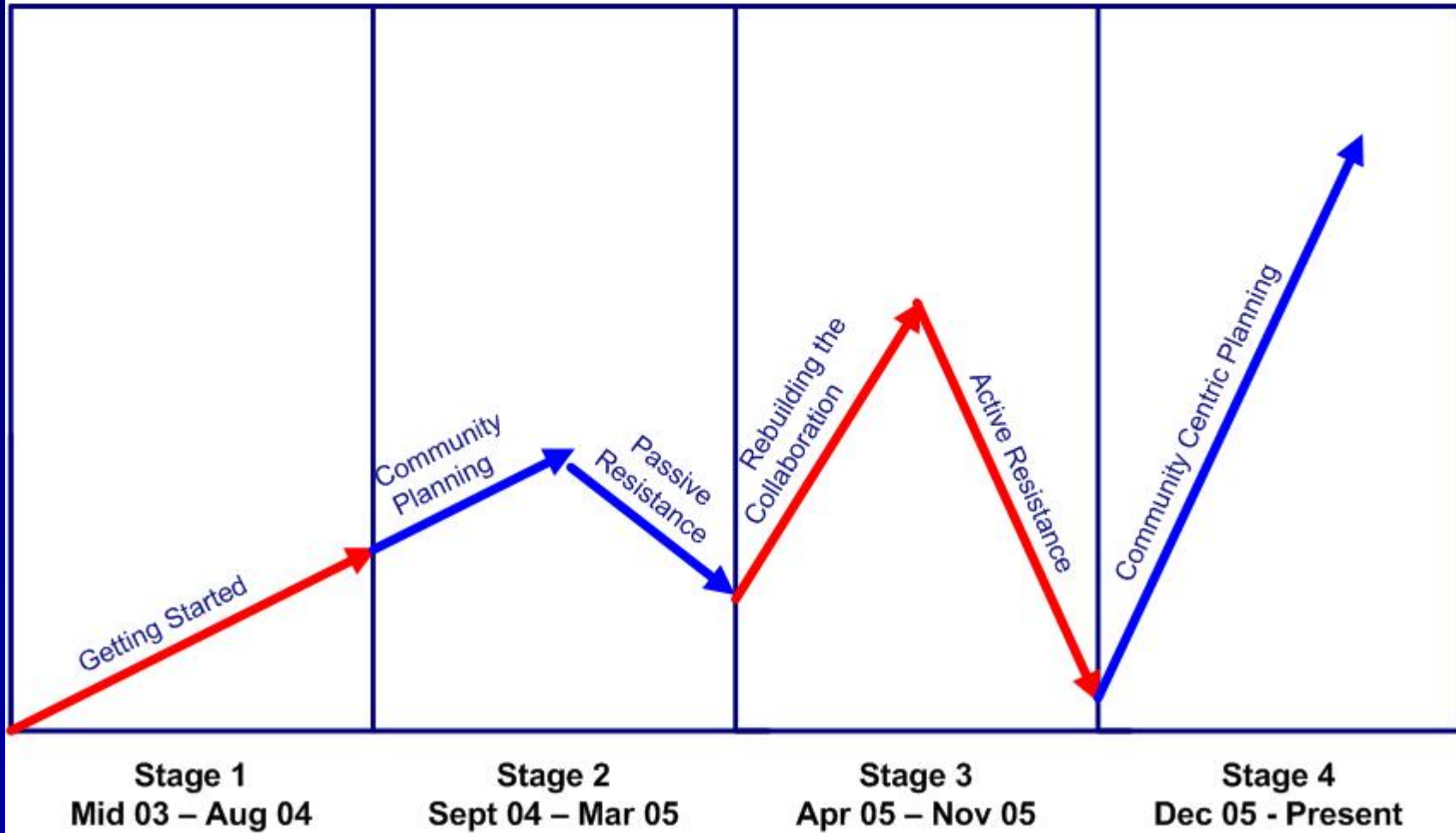
- Improve coordination of care
- Get doctors "really engaged" in health IT efforts

Kilo and Leavitt on Transformation



BEHC Community HIE

Riding the Roller Coaster: Stages of Change



Change management



How did we work through process and survive?

- Larger entities need to respect independence of smaller entities
- Understand others perspectives and problems
- Help solve shared problems with existing technology

How has this helped our community?

- Supported relationships during joint venture projects
- Helped to keep medical business in Bloomington
- Helped facilities improve results delivery to internal and external customers

Where are we now?

Home - BEHC Collaboration Site - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://sharepoint.behc.org/default.aspx

Getting Started Latest Headlines

Bloomington E-Health Collaborative Home - BEHC Collaboration Site

Home Documents and Lists Create Site Settings Help

BEHC Collaboration Site Home

Modify Shared Page

Documents

- Project 1: Lab Link
- Project 2: e-Inbox
- Project 3: MetroNet
- Project Committee
- Advisory Committee
- Steering Committee
- Technical Committee
- Archive Data
- Seminal Documents
- Communication Comm

Pictures

Lists

- Contacts
- Tasks

Discussions

- General Discussion

Surveys

Announcements

Health Information Exchange Glossary of Terms 6/9/2006 6:01 AM
by pgrogg
Under **Seminal Documents**, there is now available a glossary of the most commonly used terms. Please contact Pete, if you have any changes or recommendations.

Questions for Community Survey 6/8/2006 6:05 AM
by esturgeon
The list of questions we would like to ask when we conduct our survey of the community medical practices is ready for your review. Please send any suggestions to Elizabeth Sturgeon or Betsy Sabga.

Matrix for Vendor Evaluation 6/4/2006 1:18 PM
by msullivan
The Project Committee has made good progress filling in the Matrix for vendor evaluation. See the latest version (Matrix v2.3) in the Seminal Documents library.

MIC Questionnaire -- Needs Feedback 5/24/2006 8:00 AM
by pgrogg
Todd, Cam, and Pete have consolidated our responses to the Medical Informatics Commission questionnaire discussed at last Friday's Steering Committee meeting. Please review and provide your input where necessary. File is located under Seminal...

Two New Documents in Steering Committee 5/24/2006 2:05 AM
by dmorrison
I've uploaded: 1. an Executive Guide for implementing EHRs developed jointly by the behavioral health vendor trade group and several behavioral health CEOs and 2. a powerpoint by Laura Adams about RHIOs. Laura runs a RHIO in Rhode Island and presented...

(More Announcements...)

Add new announcement

Links

- Common Framework Press Release
- RHIO Wiki
- The Informatics Review

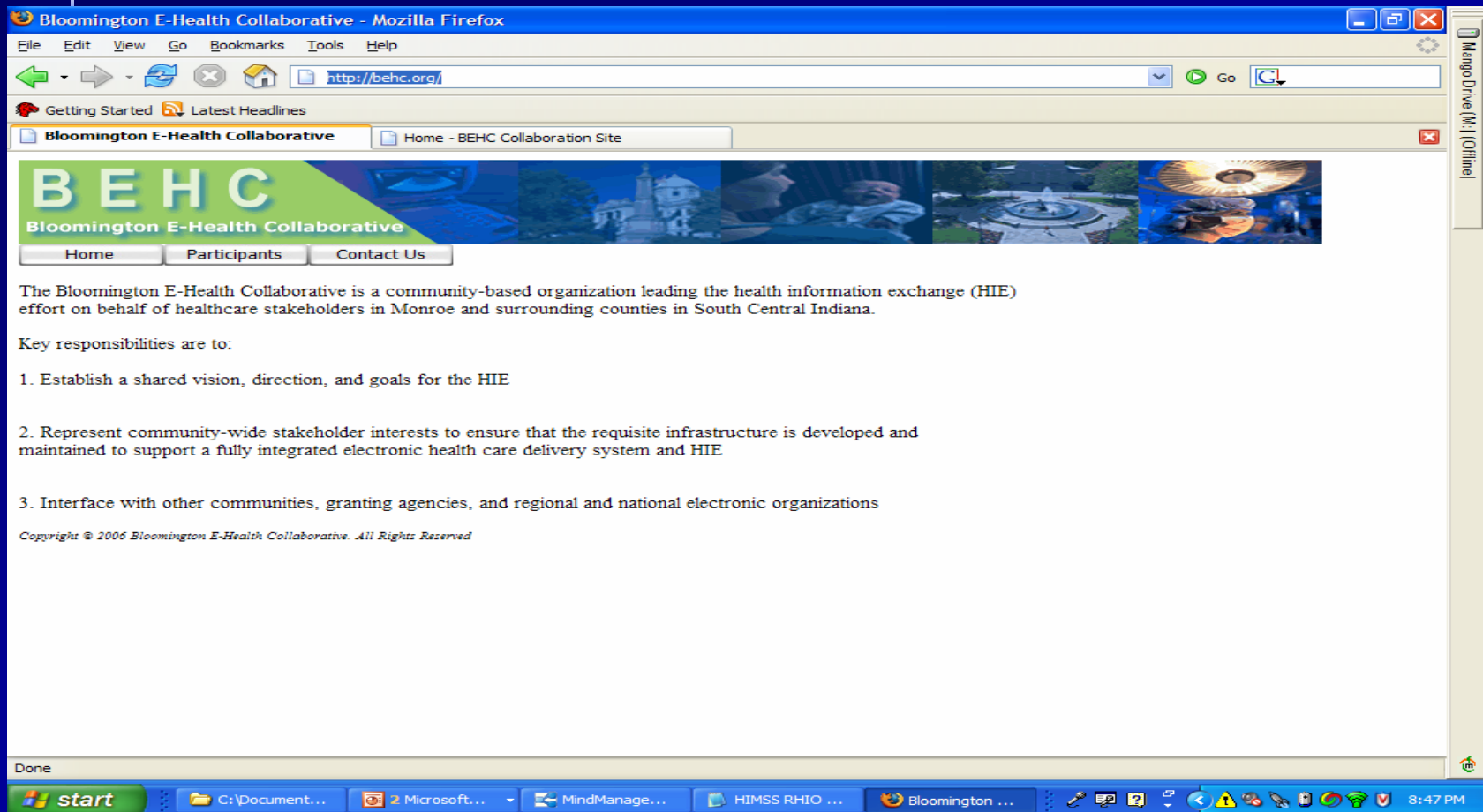
Add new link

Microsoft Windows SharePoint Services

Done

start C:\Document... 2 Microsoft... MindManage... HIMSS RHIO ... Home - BEHC... 8:47 PM

We are a highly collaborative community



The screenshot shows a Mozilla Firefox browser window displaying the website for the Bloomington E-Health Collaborative. The browser's address bar shows the URL <http://behc.org/>. The website features a header with the acronym "BEHC" and the full name "Bloomington E-Health Collaborative". Below the header are navigation buttons for "Home", "Participants", and "Contact Us". The main content area includes a paragraph describing the organization as a community-based organization leading the health information exchange (HIE) effort on behalf of healthcare stakeholders in Monroe and surrounding counties in South Central Indiana. It also lists three key responsibilities:

1. Establish a shared vision, direction, and goals for the HIE
2. Represent community-wide stakeholder interests to ensure that the requisite infrastructure is developed and maintained to support a fully integrated electronic health care delivery system and HIE
3. Interface with other communities, granting agencies, and regional and national electronic organizations

At the bottom of the page, there is a copyright notice: "Copyright © 2006 Bloomington E-Health Collaborative. All Rights Reserved". The browser's taskbar at the bottom shows the Start button, several open applications (C:\Document..., Microsoft..., MindManage..., HIMSS RHIO..., Bloomington ...), and the system tray with the time 8:47 PM.

LabLink is a starting point...

HorizonWP Physician Portal - Microsoft Internet Explorer

Address: http://portal6:8000/portal/index.jsp?epi_menuItemID=3d308ac16bd7f42bcd0e1b40be031bb8&epi_menuID=07deba893f3014f9cd0e1b40be031bb8&epi_baseMenuID=

TODD ROWLAND :: April 17, 2006 **my portal** **help** **logout** Site Controls: <Select>

Census Personal Patient Worklist Locator **Results** Flowsheet Charting Orders Facesheet Administration . HPF Home

Patient: **STUDENT, WES**

Lab Link last refresh: 18:27
[IMA Lab](#)

edit Patient Demographics last refresh: 18:27

Pat. Name	Admission Date	Sex	Age	Location	Relationship	Admitting Diagnosis
STUDENT, WES	12/14/2005 08:52	M	48 Y	2N-2301-A	Consulting Physician	CHEST PAIN

edit Demographics With Medical Images last refresh: 18:27

Pat. Name	Admission Date	Sex	Age	Location	Relationship	Admitting Diagnosis
STUDENT, WES	12/14/2005 08:52	M	48 Y	2N-2301-A	Consulting Physician	CHEST PAIN

edit CM Results Viewer last refresh: 18:27

ALL Ancillary Show Selected Results Show All Results New results Today's results Results by test class

Encounter: Dates: 12/14/2005 08:52 -> Present Diag: CHEST PAIN

Start On: 04/17/2006 Go Back: 3 Days Procedure Description Search: Clear Refresh

RsltLvl	Collected	Image	Item (Order Number)	Status	History	Accession
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Show Selected Results Show All Results

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Next steps...

- Clinical messaging and infrastructure going forward
- Vendor/options evaluated by teams
 - RFI
 - Conference calls
 - Follow-up communication
- Project committee coordinating teams
 - Comparison matrix

Comparison Matrix

1		BEHC Infrastructure Options								
2		Services	1	2	3	4	5	6	7	
Central	3	SNO Infrastructure								
	4	Record Locator Service	Green	Green	Green	Green	Pink	Pink		
	5	Matching Algorithm / cMPI	Green	Green	Light Blue	Green	Pink	Pink		
	6	Inter-SNO Bridge	Green	Light Blue	Green	Light Blue	Pink			
	7	Security Services								
	8	Authentication / Authorization Service	Green	Green	Green	Green	Green	Green		
9	Consent Management	Green	Light Blue	Light Blue	Green	Pink				
10	User / Roles Management (credentials)	Green	Light Blue	Green	Green	Light Blue				
11	Policy Management	Green	Light Blue	Green	Green	Light Blue				
Central or Edge	12	Presentation Services								
	13	Login	Green	Green	Green	Green	Green			
	14	Request Patient Records	Green	Green	Green	Light Blue	Light Blue			
	15	View Aggregated Records	Green	Green	Green	Light Blue	Light Blue			
	16	Monitor logs	Green	Green	Green	Green	Light Blue			
	17	Data Storage Services								
	18	Data repository / cache	Green	Green	Green	Light Blue	Green			
	19	Auditing of Message Logs	Green	Green	Green	Light Blue	Green			
	20	User Directory / Authentication	Green	Light Blue	Green	Light Blue	Green			
	21	Business Application Services								
22	Provider Inbox	Green	Green	Pink	Green	Green				
23	Workflow tools	Green	Green	Pink	Light Blue	Green				
24	Referrals	Green	Green	Orange	Light Blue	Green				
25	Medical Records Aggregation	Green	Green	Green	Green	Pink				
26	Auditing Service (including alerts)	Green	Green	Green	Light Blue	Green				

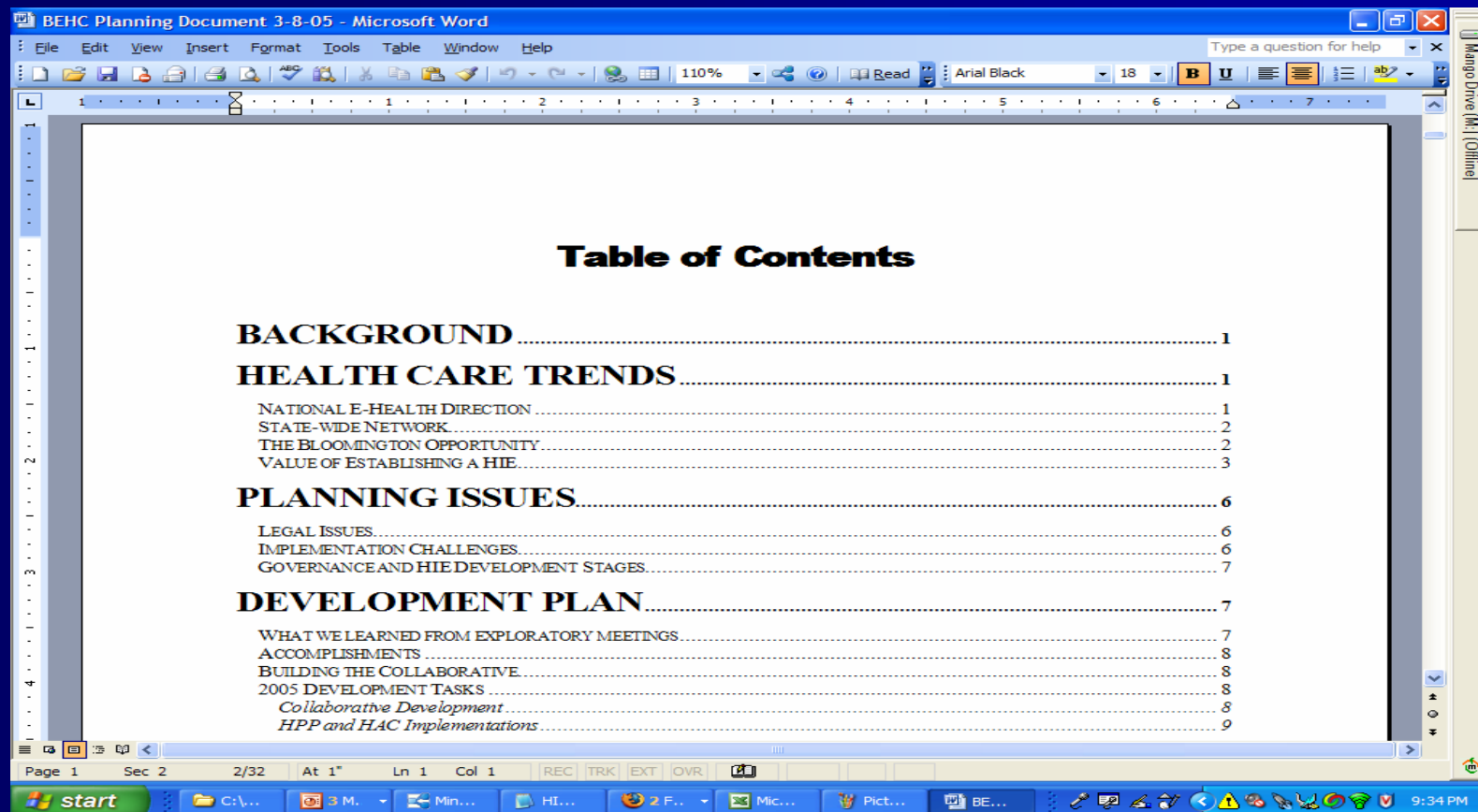
What does a community like Bloomington need?

- HIE must be significantly better than current hospital portal
- HIE must improve physicians practice workflow
 - Decreased re-faxes (office staff)
 - Decreased phone calls for results
 - Decreased mundane phone calls for care coordination

HIE must improve hospital workflow

- Result in significant savings for hospital, not just cost replacement
 - Decreased re-faxes (hospital staff)
 - Decreased phone calls for results
 - Decreased mundane phone calls for care coordination

Business planning...



The screenshot shows a Microsoft Word window with the title 'BEHC Planning Document 3-8-05'. The document content is a Table of Contents with the following structure:

BACKGROUND	1
HEALTH CARE TRENDS	1
NATIONAL E-HEALTH DIRECTION.....	1
STATE-WIDE NETWORK.....	2
THE BLOOMINGTON OPPORTUNITY.....	2
VALUE OF ESTABLISHING A HIE.....	3
PLANNING ISSUES	6
LEGAL ISSUES.....	6
IMPLEMENTATION CHALLENGES.....	6
GOVERNANCE AND HIE DEVELOPMENT STAGES.....	7
DEVELOPMENT PLAN	7
WHAT WE LEARNED FROM EXPLORATORY MEETINGS.....	7
ACCOMPLISHMENTS.....	8
BUILDING THE COLLABORATIVE.....	8
2005 DEVELOPMENT TASKS.....	8
<i>Collaborative Development</i>	8
<i>HPP and HAC Implementations</i>	9

Stakeholder Benefits

BEHC Planning Document 3-8-05 - Microsoft Word

Stakeholder	Benefits	How
Hospital	<ul style="list-style-type: none"> • Manages costs • Reduces risk • Fosters a positive hospital and physician relationship 	<ul style="list-style-type: none"> • Mechanism for meeting medical necessity • Workflow part of continuum of care • Disease management through CHAP • Coordination of care with primary care physician • Improved medication management • Reduced costs of results reporting • Reduction in unpaid redundant testing • Late discharges minimized • Improved communications with physicians
Physician Practice	<ul style="list-style-type: none"> • Reinforces the patient and physician relationship • Makes clinical practice of medicine more personally and financially rewarding 	<ul style="list-style-type: none"> • Easily accessible patient centric information regardless of where the physician or patient is located • Reduction in uncompensated activity through integrated communication • Reduction in external, unproductive phone calls • Sharing of internal and external activities via standards • Automation of clean prescriptions that include the 5 rights and compliance with formulary and patient wishes
Patient and Caregivers	<ul style="list-style-type: none"> • Improves quality of care, patient experience and patient control over own care 	<ul style="list-style-type: none"> • Reduction in preventable adverse drug events • Reduction of redundant processes, such as gathering demographics and personal medical history • More convenient methods for appointment requests and medication refills that reduce time consuming phone calls

Table 1 Stakeholder Benefits

Page 4 Sec 3 6/32 At 4.9" Ln 18 Col 1 REC TRK EXT OVR

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How can HIE be sustained?

- Subscription fees from results senders
- Subscription fees from physician practices
- Subscription fees from patients via employers?

Closing thoughts...

- Types of communities in Indiana
 - Metro, intermediate, small
- What are the logical regional collaborations in Indiana?
 - Based on medical trading areas
 - Based on relationships/trust
 - Based on hospital technology

Open issues...

- What should state government do to facilitate intra and inter community collaborations?
- What should HIMSS or other organizations do to facilitate community collaborations?

Contact information

- BEHC
- Todd Rowland, M.D.
- www.behc.org
- info@behc.org
- 812-353-4025