

RHIO Development: The Delaware Experience



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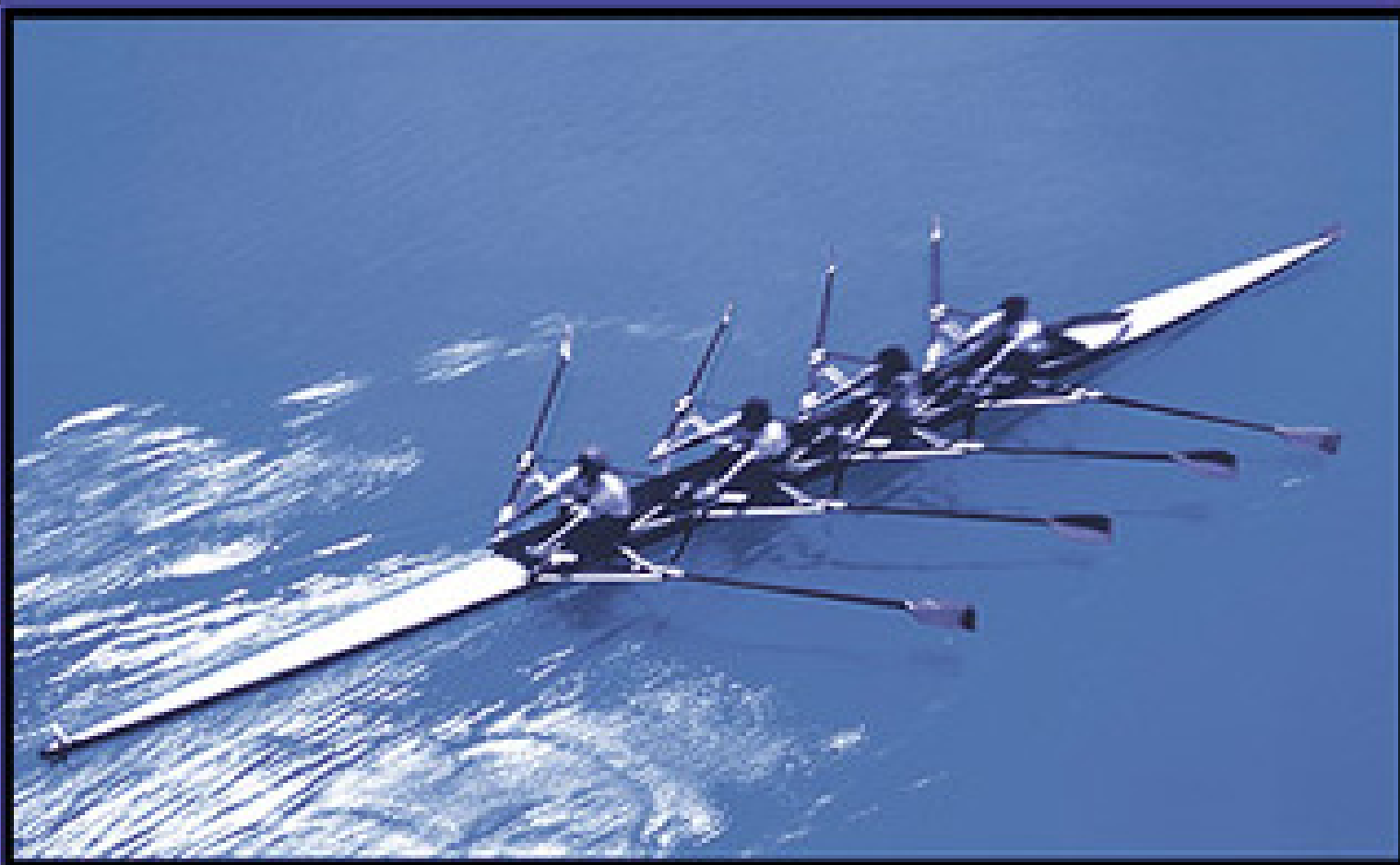


Keys to RHIO Planning

- Rally Around a Common Vision
- Create an Organizational Structure
 - Technical Committee to Drive Planning
 - Executive Committee to Oversee Project
- Engage Those with Greatest Interest
- Build Consensus Around Critical Success Factors
- Remain Focused

Rally Around a Common Vision



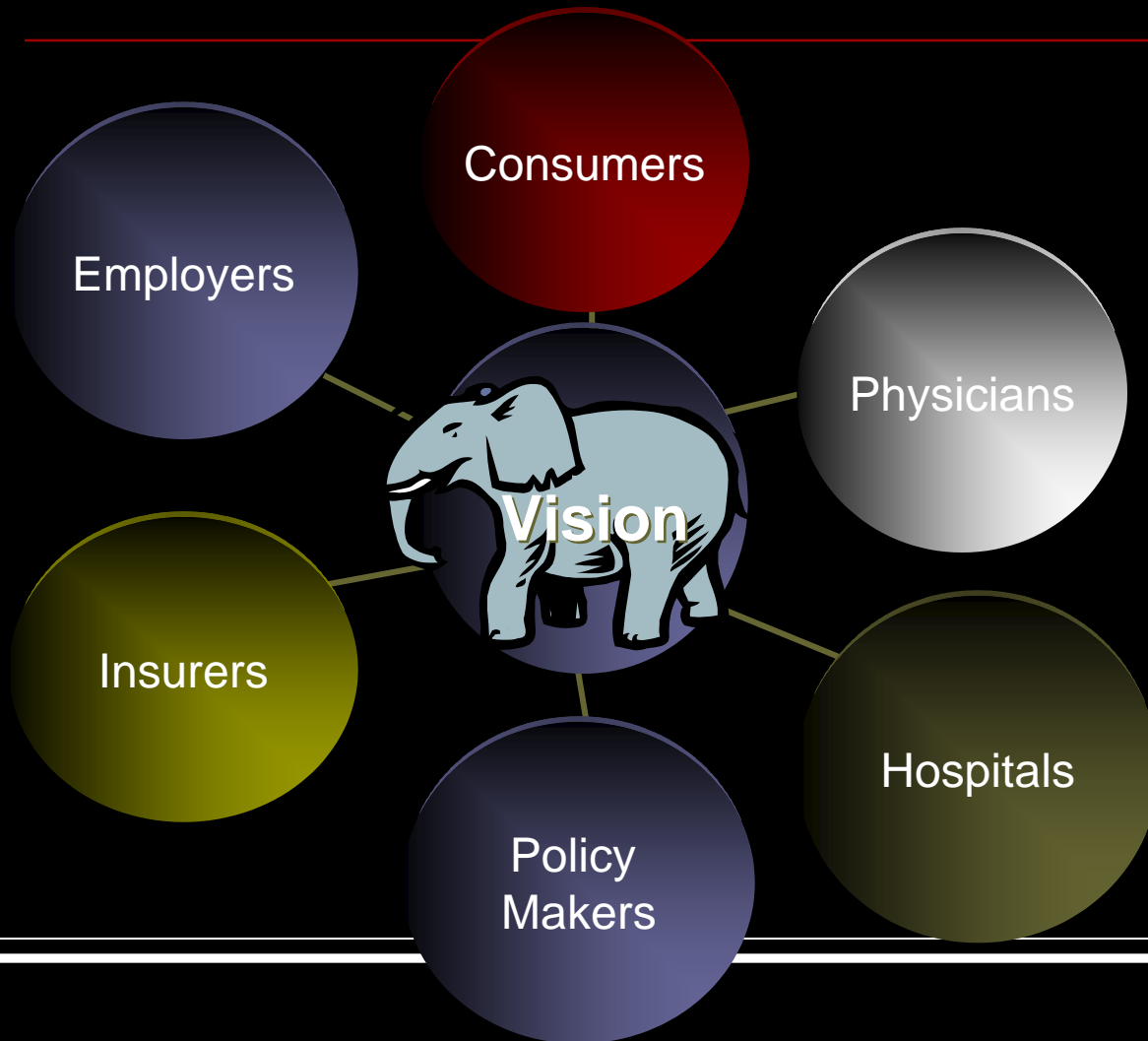


IGNORANCE

IT'S AMAZING HOW MUCH EASIER IT IS FOR A TEAM TO WORK TOGETHER
WHEN NO ONE HAS ANY IDEA WHERE THEY'RE GOING.

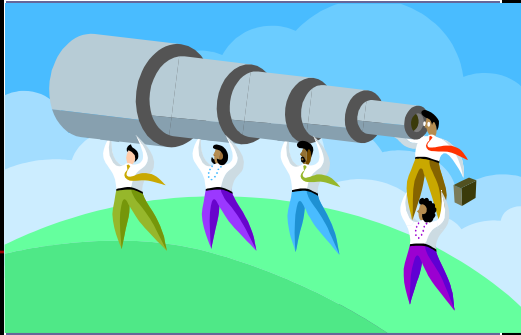
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The Elephant & the 6 Stakeholders



So, oft in theologic wars
The disputants, I ween,
Rail on in utter ignorance
Of what each other mean;
And prate about an Elephant
Not one of them has seen!

John Godfrey Saxe (1816-1887)



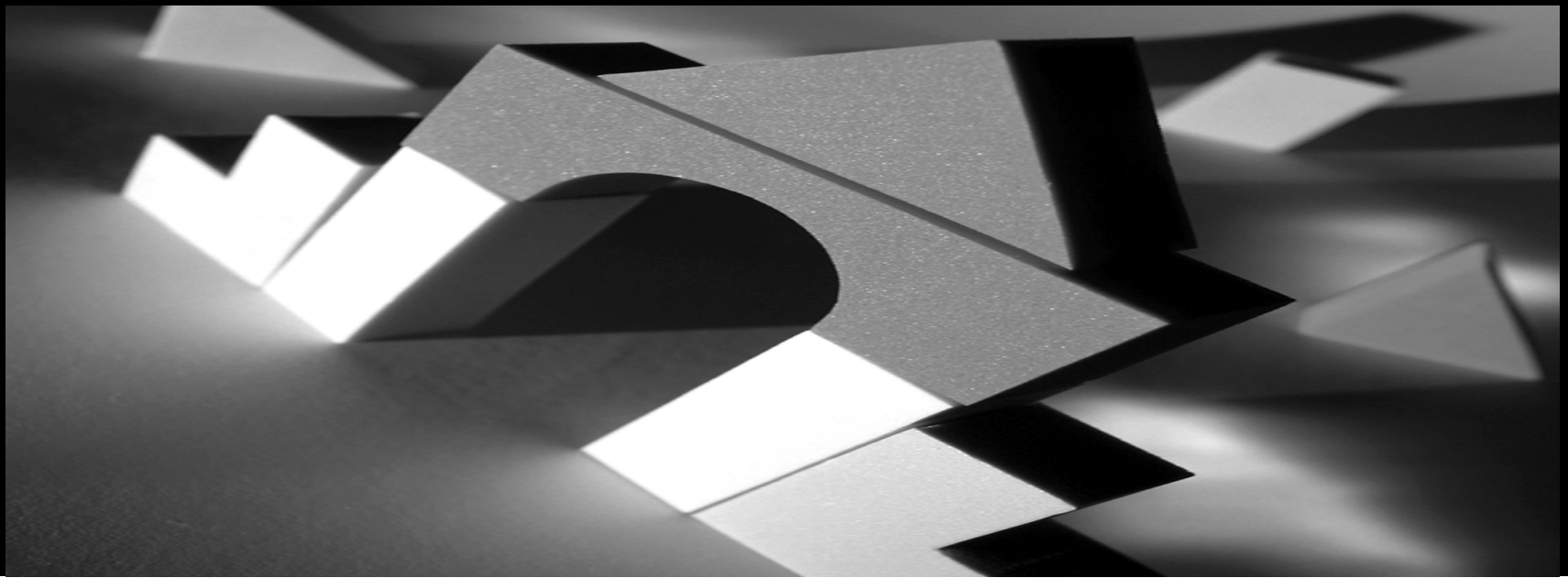
DHIN Vision

Develop a network to exchange real-time clinical information among all health care providers (office practices, hospitals, labs and diagnostic facilities, etc.) across the state to improve patient outcomes and patient-provider relationships, while reducing service duplication and the rate of increase in health care spending.

Lessons Learned

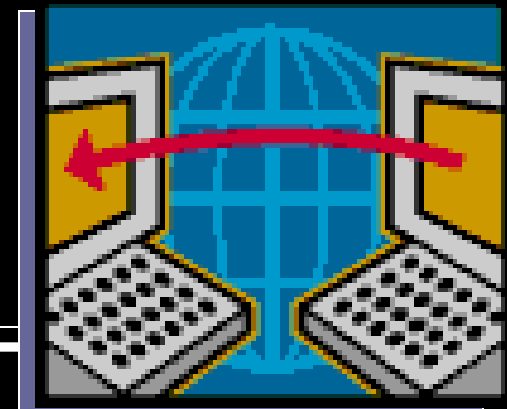
- Learn what is important to each of your stakeholders
- Define the value and benefits in terms that are:
 - Understandable
 - Meaningful
- Keep the patient at the center of the discussion and focus

Create an Organizational Structure



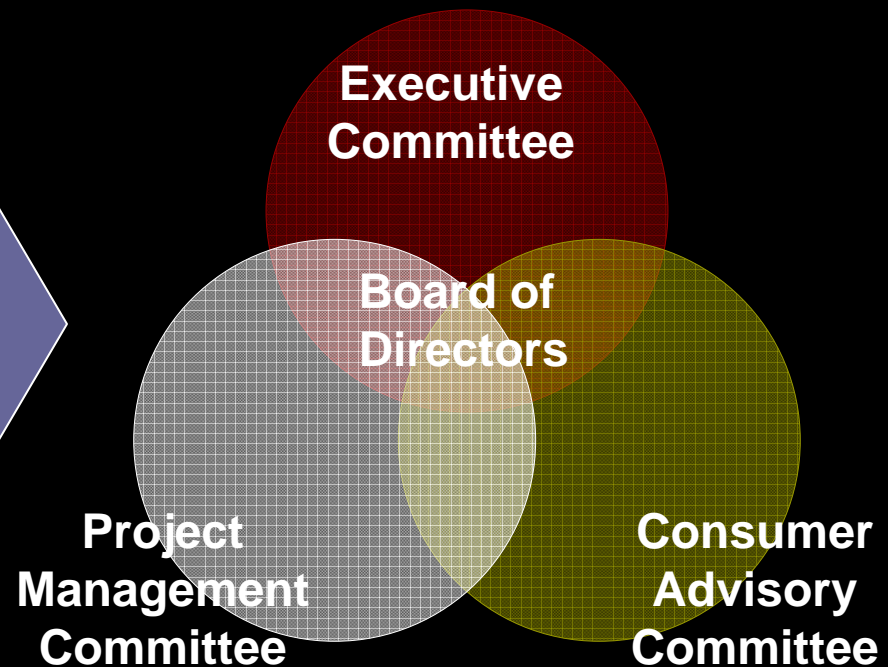
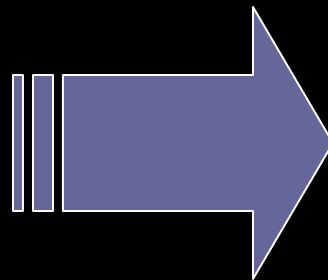
Delaware Health Information Network

- Created statutorily in 1997 as a public instrumentality of the State of Delaware
 - To advance the creation of a statewide health information and electronic data interchange network for public and private use.
 - To be a public-private partnership for the benefit of all citizens of Delaware
 - To address Delaware's needs for timely, reliable and relevant health care information.



Balanced Multi-Stakeholder Representation

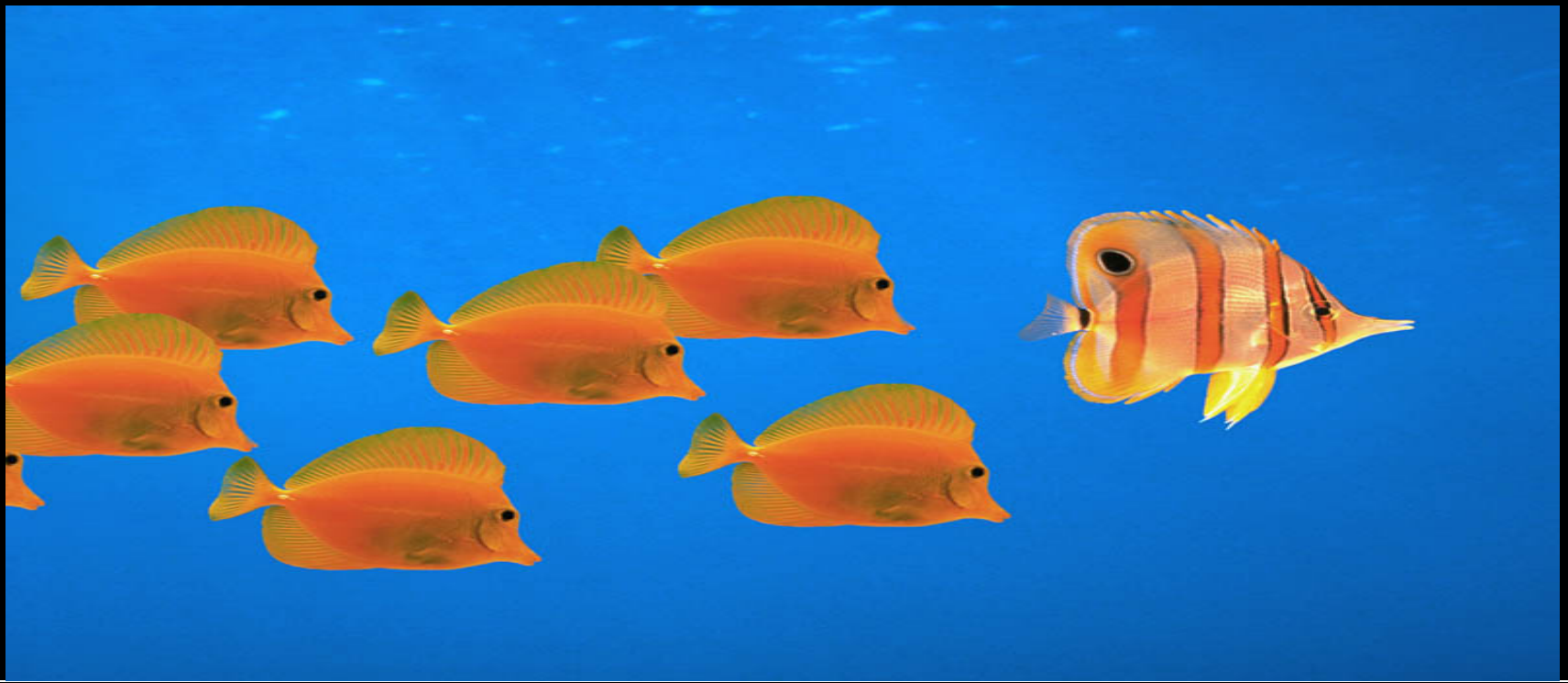
- Hospitals
- Physicians
- Consumers
- Business
- Insurance
- State Government



Lessons Learned

- Must be public-private partnership
- Must be balanced among stakeholders
- Must be tied to sustainability plan
- And.....We're still learning.....

Engage Those with Greatest Interest



...others will follow

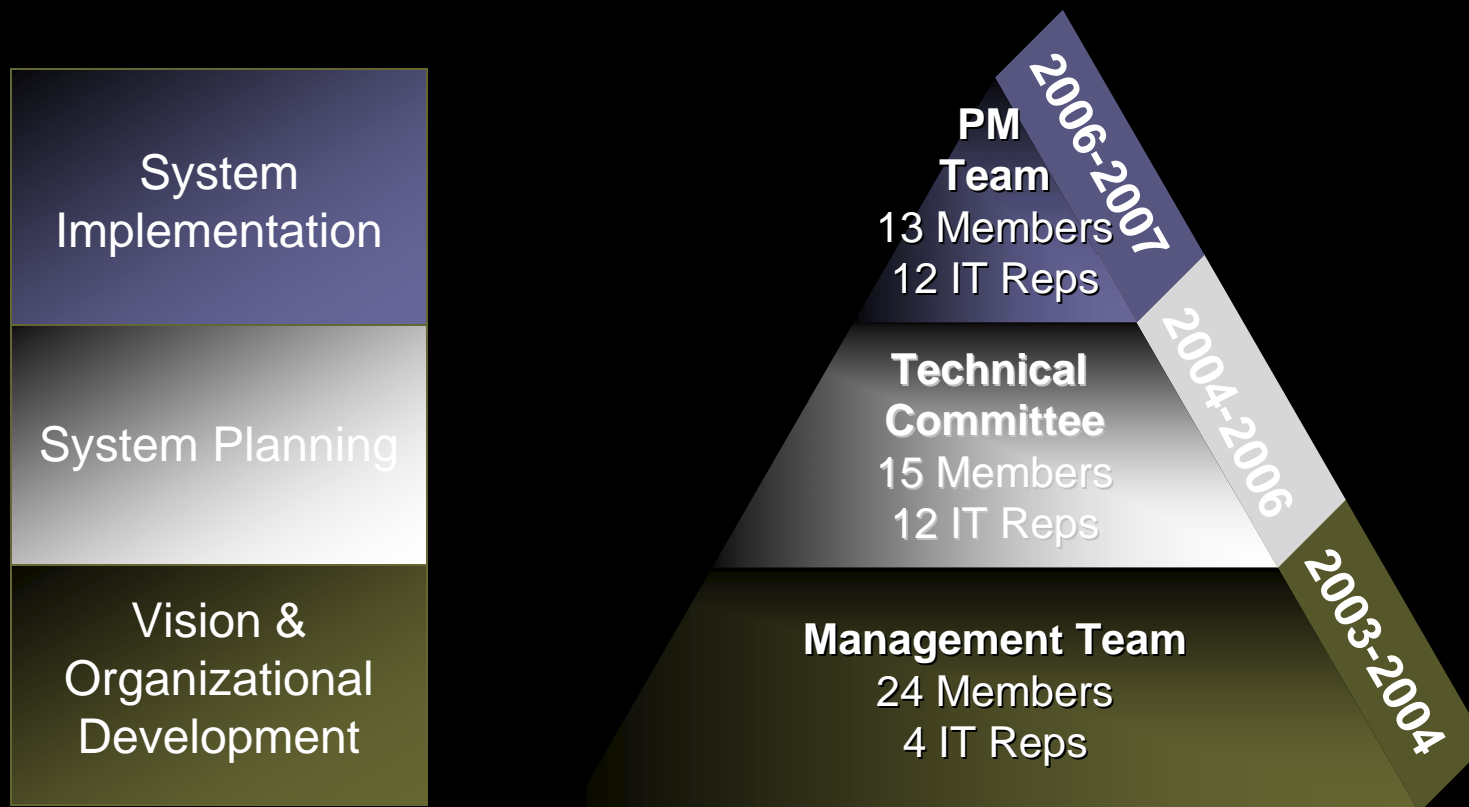


CHANGE

WHEN THE WINDS OF CHANGE BLOW HARD ENOUGH,
THE MOST TRIVIAL OF THINGS CAN TURN INTO DEADLY PROJECTILES.

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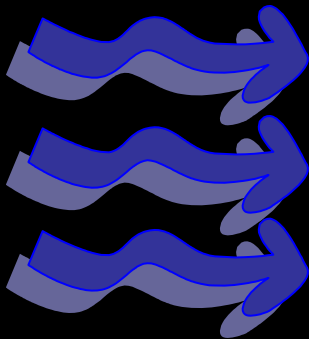
Committee Structure Evolution



Managing Scope Creep

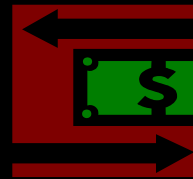
Stakeholder Meetings

Physicians
Hospitals
Payers
Consumers



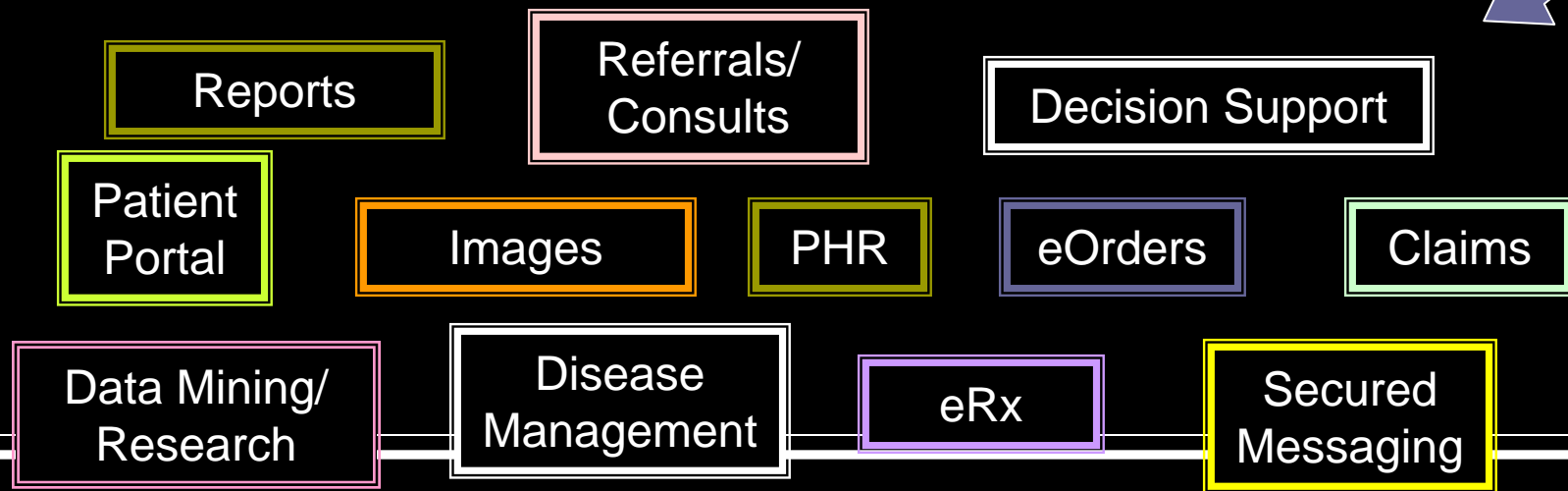
User Input

Must Haves
Nice-to-Haves



External Influencers

ONC HIT
Framework
Funding
Opportunities



Lessons Learned

- Cannot be “all” to “everyone” in the beginning
- Crawl, Walk, Run mentality
- Resource dedication of data senders
- Long term commitments for funding stability

The Planning Process





PLANNING

MUCH WORK REMAINS TO BE DONE BEFORE WE CAN ANNOUNCE
OUR TOTAL FAILURE TO MAKE ANY PROGRESS.

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Non-Technical Stakeholders: Why Plan?

Why can't we just find
a vendor to build the
system?

It will take too long to
plan.
We know what we
want; let's go build it!

Really, how
hard can it be?
We've been
talking about it
for years.

IT Stakeholders: We must plan!

What data sets do you want us to send to DHIN? In what format?

Is this in real-time or batch?
How will you ensure DHIN won't crash my production system due to high volume use.

How will we ensure the integrity of our data? What are the security requirements?

I have other internal IS priorities. How is this going to help me meet my organization's goals?

Reasons for RHIO Planning

- To define the operating policies and requirements of the system/organization
- To manage cost, scope and implementation timelines
- To build a uniform approach to system development
- To establish the foundation for a solid RFP by which to select the most appropriate vendor for meeting system needs.
- To solidify the organization's thinking and understanding of the environment and the problems the system will solve.

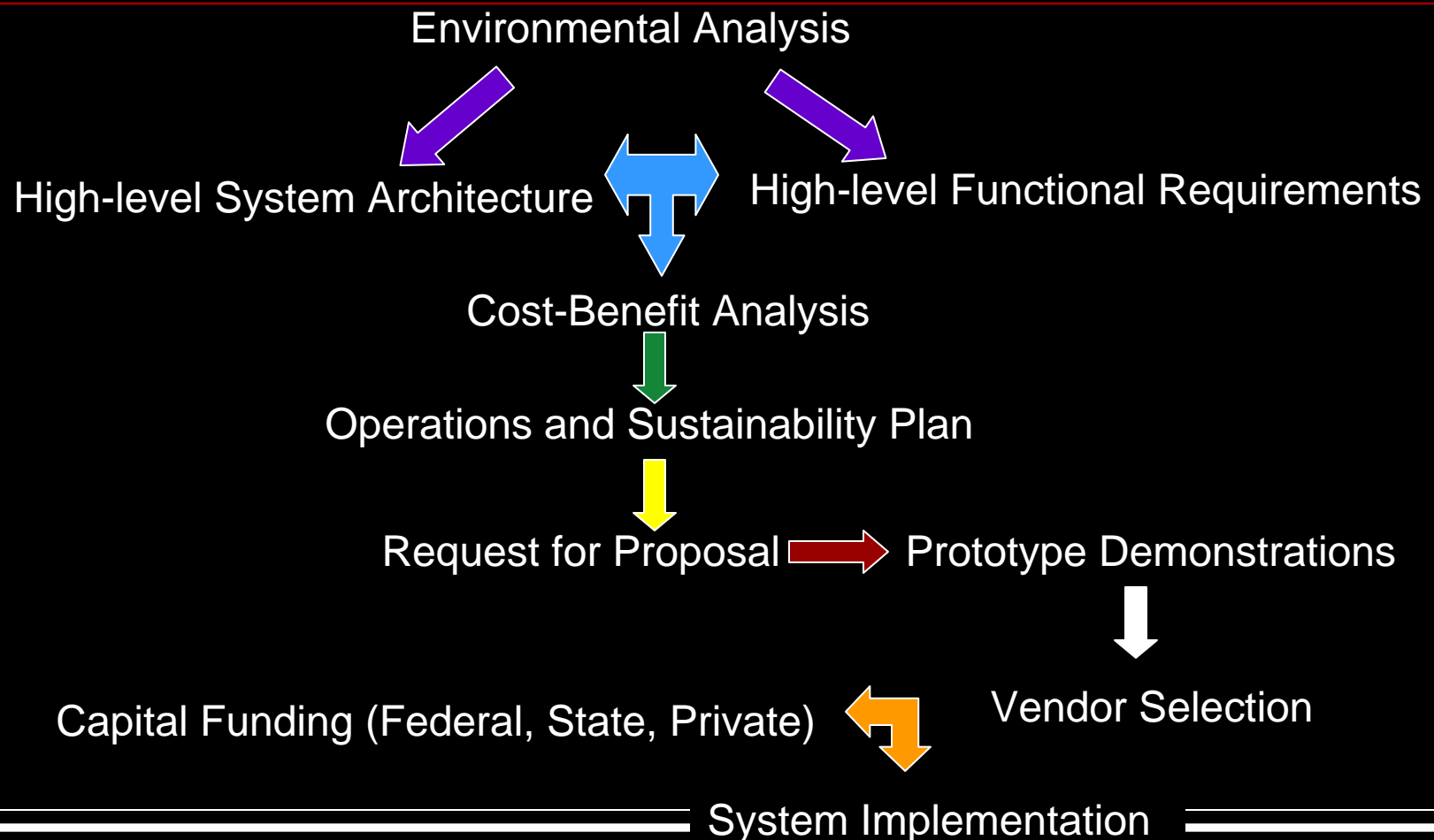
Planning Assumptions

The system will be designed to be:

- Useful to a “critical mass” of users;
- Feasible from a technical and operational standpoint;
- Complementary to the existing technical environment; (i.e., enhance communication among systems, not replace existing systems);
- Valuable to users; Available and reliable for users; &
- Architected for scalability and modular functionality enhancement

DHIN Planning Activities:

May 1, 2005 to June 30, 2006



Lessons Learned

- Step 1: Hire Project Manager
 - Neutral
 - Objective
- Step 2: Nail Down Vision and Scope
- Step 3: Secure Third party Panning Vendor
 - Bring experience of other projects
 - Truly neutral

(Not tied to any one organization, stakeholder group or vendor)

Building consensus Around Critical Success Factors





COMPROMISE

LET'S AGREE TO RESPECT EACH OTHER'S VIEWS,
NO MATTER HOW WRONG YOURS MAY BE.

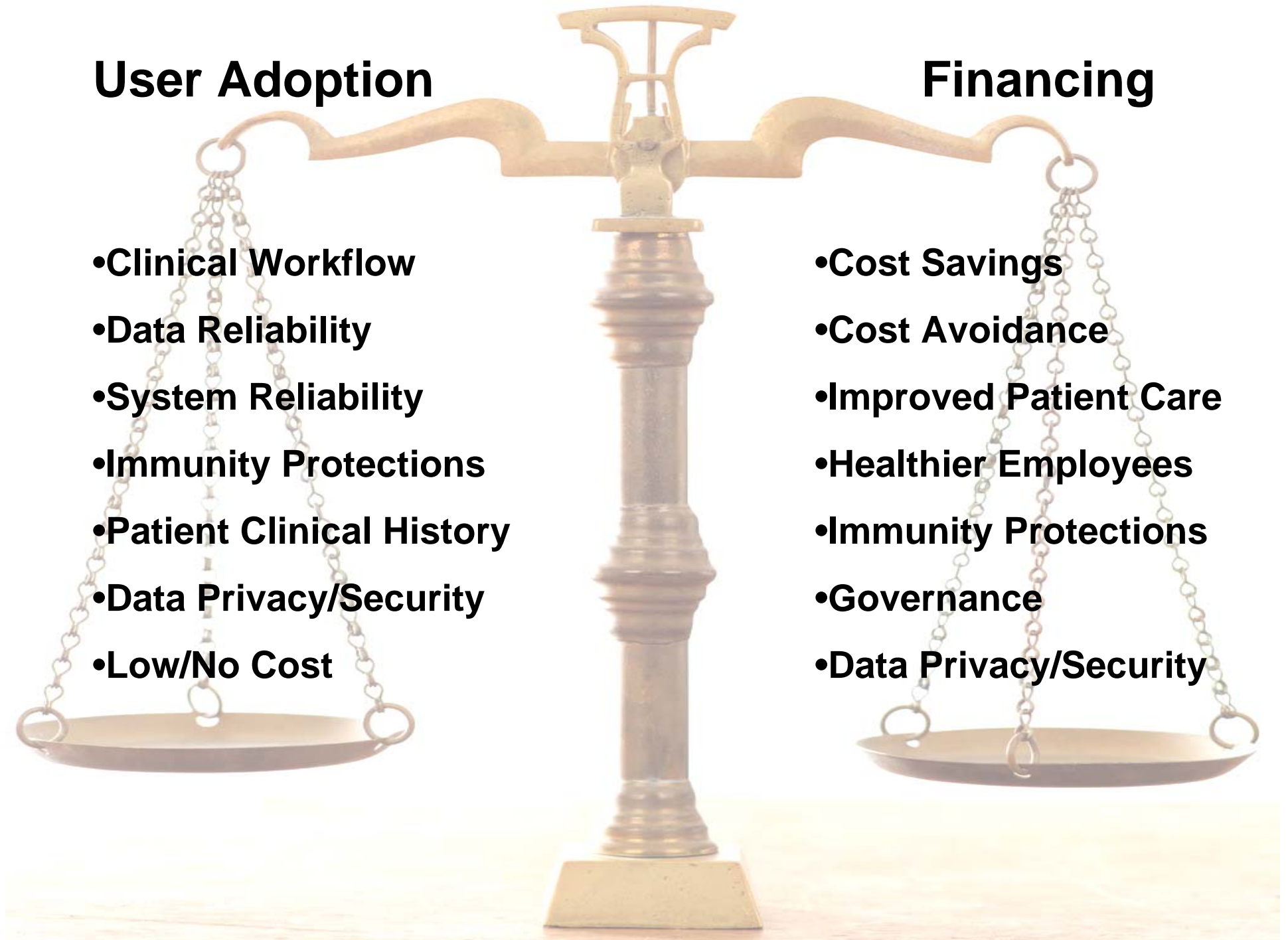
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User Adoption

- **Clinical Workflow**
- **Data Reliability**
- **System Reliability**
- **Immunity Protections**
- **Patient Clinical History**
- **Data Privacy/Security**
- **Low/No Cost**

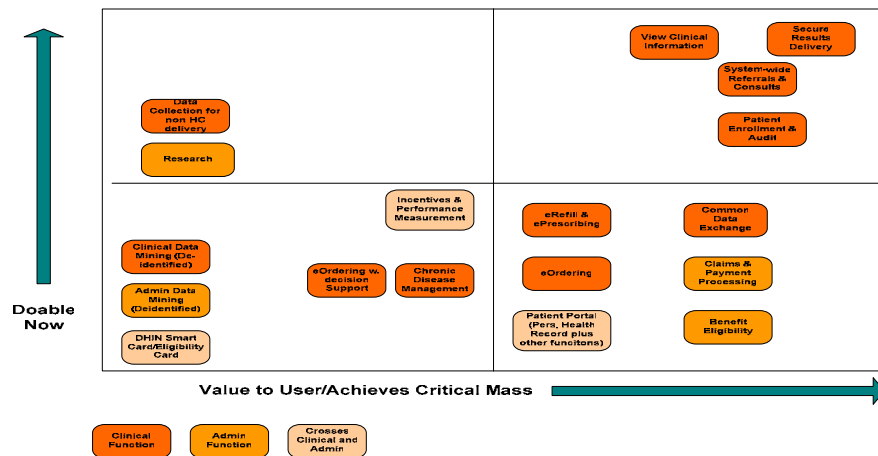
Financing

- **Cost Savings**
- **Cost Avoidance**
- **Improved Patient Care**
- **Healthier Employees**
- **Immunity Protections**
- **Governance**
- **Data Privacy/Security**



Reaching Consensus on Functional Requirements

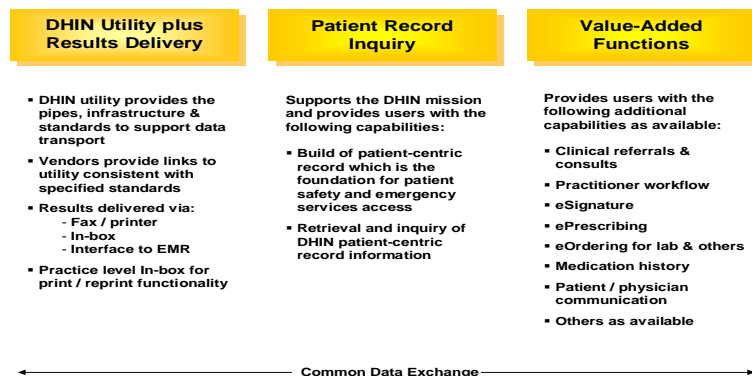
DHIN Working Draft Prioritization Matrix



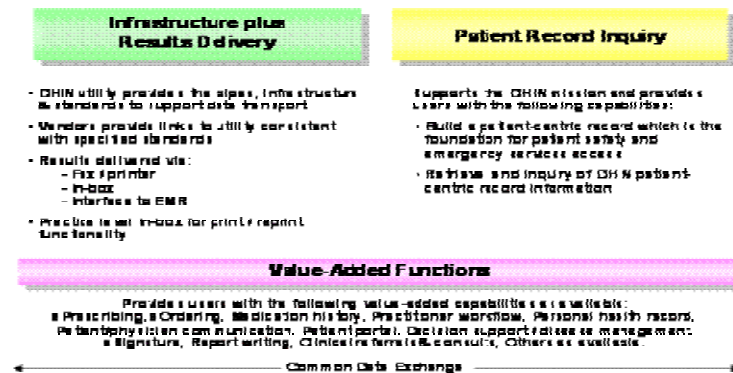
Core Functions Potentially Provided by DHIN

Utility Only	Basic Results Delivery + Workflow	Basic + Patient Record Inquiry	Enhanced Additional Functions
<p>1) DHIN provides the pipes; infrastructure and standards</p> <p>2) Vendors provide link to utility consistent with standards.</p>	<p>DHIN provides user inbox with the following capability:</p> <p>1) Electronic delivery of results to multiple inboxes for all staff</p> <p>2) Ability to organize inbox to suit physician or staff (urgency, by patient, when ordered test, etc.)</p> <p>3) Remote access -- hospital, office or home</p> <p>4) Can print/reprint patient data on demand</p> <p>5) Electronic signature for hospital and practice charts, prescriptions</p>	<p>DHIN provides user inbox with the following capabilities:</p> <p>Same as basic results delivery and workflow management plus:</p> <p>1) Retrieval and inquiry of patient-centric record</p> <p>2) Clinical Database for -- Enhanced timeliness and accuracy -- Foundation for patient safety -- Emergency services access</p>	<p>DHIN provides user inbox with the following additional capabilities (as available):</p> <p>1) Customizable clinical documentation and report writing</p> <p>2) ePrescribing with electronic orders, formularies and decision support</p> <p>3) Claims-based medication history</p> <p>4) Patient/physician communication</p> <p>5) Others as made available</p>

DHIN Functional Grouping



DHIN Utility – Functional Grouping



Remain Focused



Manage Distractions

- Chasing after funding
- Promises of the perfect solution
- Pressures to move quickly
- Politics
- Stakeholder interests



All who have accomplished great things
have had a great aim, have fixed their gaze
on a goal which was high, one which
sometimes seemed impossible

- Orison Swett Marden



HAZARDS

THERE IS AN ISLAND OF OPPORTUNITY IN THE MIDDLE OF EVERY DIFFICULTY.
MISS THAT, THOUGH, AND YOU'RE PRETTY MUCH DOOMED.

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