

Reforming Health Care Through Information Technology

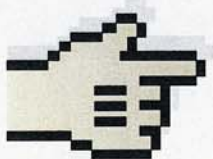
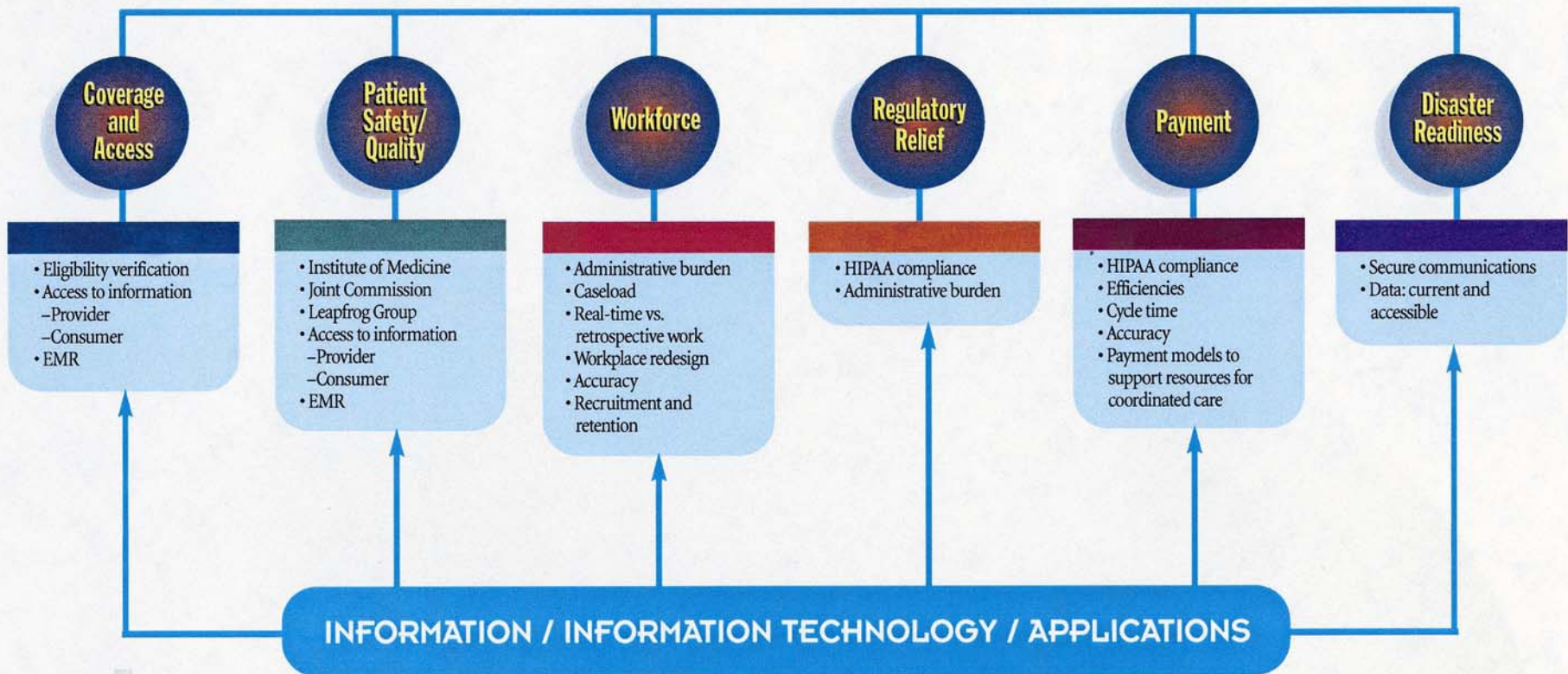
Health Care Needs Integration

- **In the enterprise, computer systems don't talk to one another**
- **Islands of data isolated in departments and systems**
- **Integrating disparate systems is costly and difficult**
- **Mandatory compliance with standards like HIPAA requires coordination**



Using IT to Reform Health Care

How important is information technology? It affects every aspect of health care. This chart, which the American Hospital Association recently prepared as part of its Reforming Health Care initiative, illustrates how central IT is to the AHA's goals and to health care in general.



What's happening in health care?

- **Bar coding**
- **Computerized medication systems**
 - Physician order entry
 - Pharmacy dispensing
 - Bar coded point-of-care
- **Lab verification and tracking systems**
- **Electronic medical record (and common patient identifier)**
- **Radiology – PACS, IHE**
- **Electronic communications and transactions**

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**In most cases, tipping point has not
been reached.**

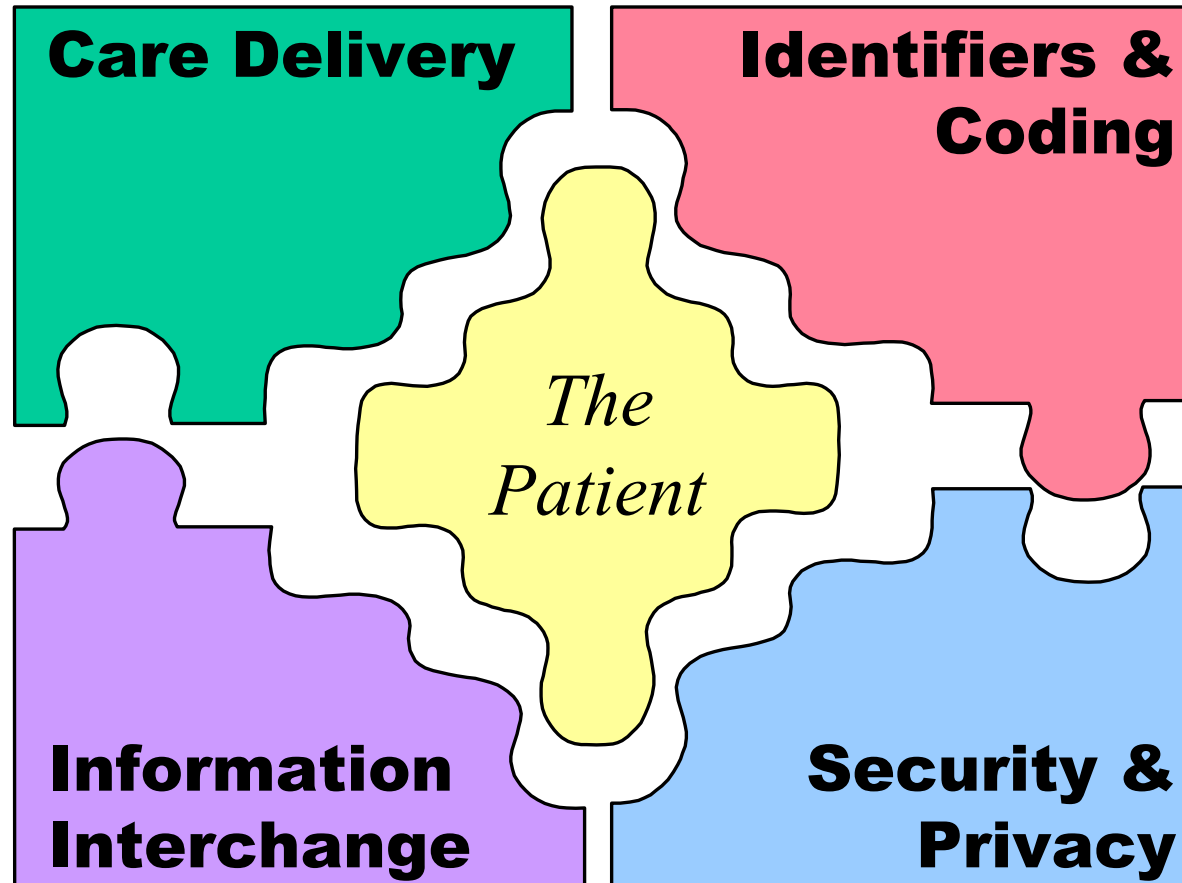
New Data Confirms Lack of IT Adoption in Health Care

- **Patient/Prescription Safeguards – only 11% of hospitals match some medication to patients electronically**
- **Self-screening – only 22% of hospitals provide online health risk assessment for diabetes**
- **Patient Access – only 24% of hospitals give patients the ability to schedule appointments online**
- **Telemedicine – only 18% of hospitals connect doctors and nurses with patients online**

Industry Standards

- **VISA**
- **ATM**
- **Airline reservation management system**
- **Cell phones**
- **Bar coding in consumer packaged goods**

Framework for Thinking About Health Care Information and IT Standards



Philosophy

- **Information technology is critical to health care's infrastructure and key to transforming how health care operates**
- **IT can improve...**
 - **Quality of patient care**
 - **Business of health care**
 - **Compliance with regulations and policies**

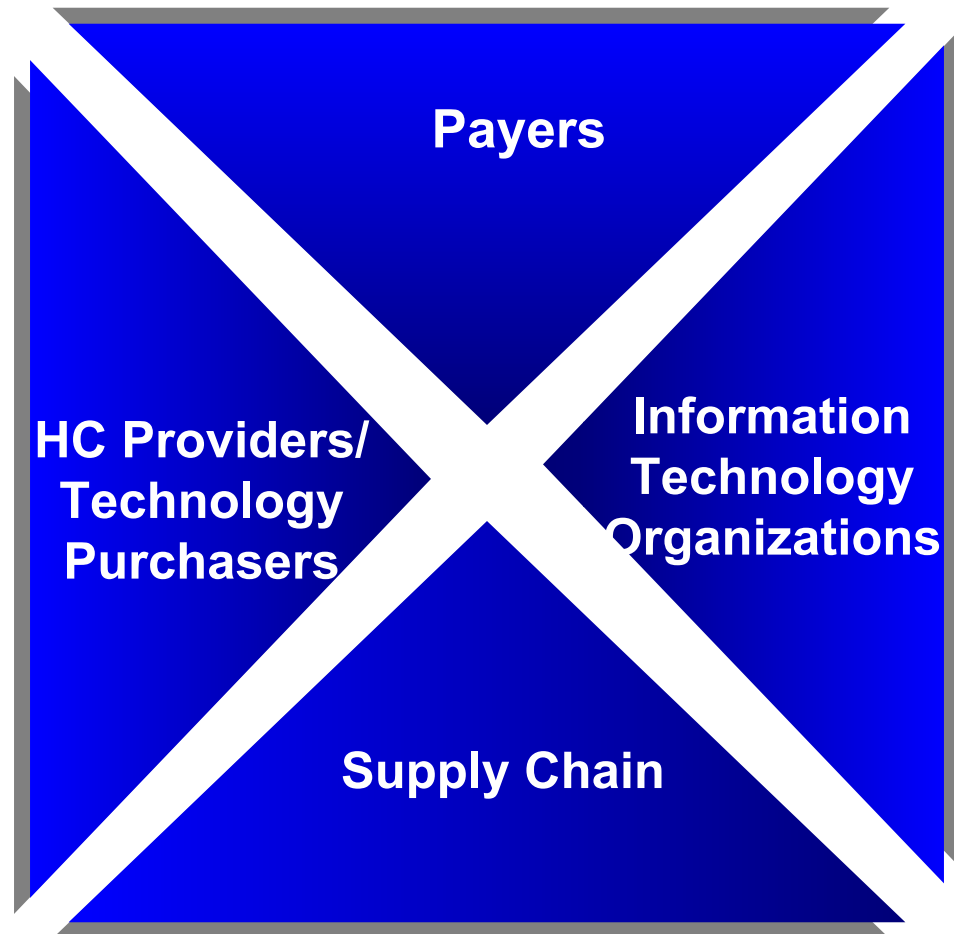
MISSION

Mobilizing the field to address the fragmentation and lack of coordination in health care...improving quality and performance through standards-based information systems.

Reforming Healthcare Through Information Technology

- **Facilitate/convene providers, vendors, and other stakeholders**
- **Collaborate whenever possible**
- **Standards-based systems need to be built (vendor) and implemented (hospitals/providers)**
 - **Critical for quality patient care, saving money and improving operations**
- **Educate**
 - **Uses/Applications**
 - **Cost/Benefit modeling**
- **First Step: Bar coding**

Coalition Effort



Expected outcomes...

- **Within an enterprise and across enterprises and geographies, computer systems talk to one another**
- **Patient-centered data is more easily accessible, efficiently linking clinical, administrative and financial data**
- **Better patient outcomes and error avoidance**
- **Lower hospital and health care system operating costs**

Potential Future Projects ...

- **Connectivity & network/communications technology**
- **Automated order entry & medication administration**
- **Electronic medical record**
- **Universal patient identifiers**
- **Claims processing/transaction standards to facilitate information flow between trading partners**
- **Standardization of technology-related nomenclature**

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