Health Information Sharing:
Case Studies for Interoperability

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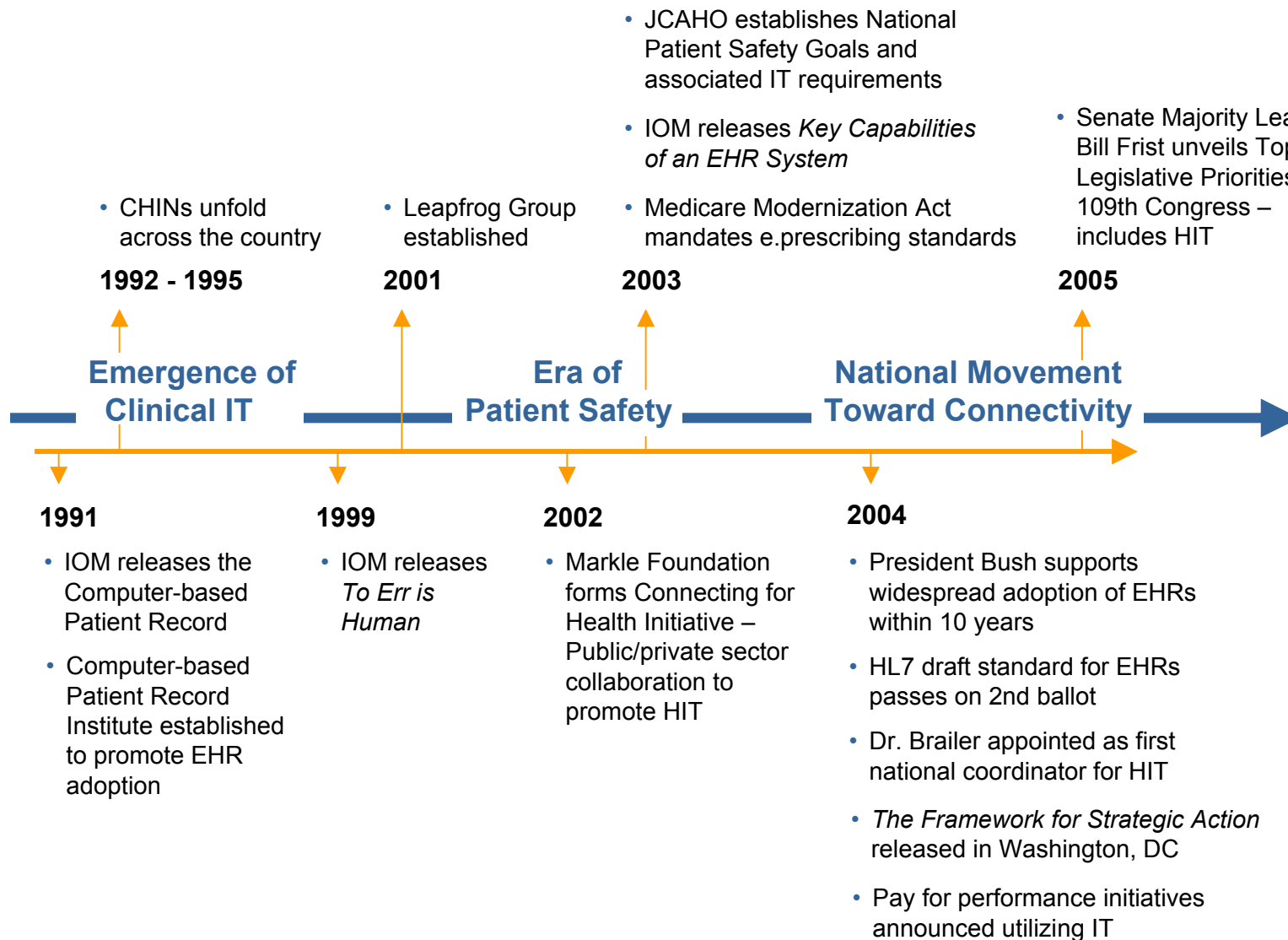Siemens **Medical**
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Agenda

- Vendors and Interoperability
- HIMSS Electronic Health Record Vendor Association
- Interoperability Plans
- Siemens' Interoperability Strategy

Why Vendors Need an Interoperability Strategy and Plan

- Interoperability is the "buzz" in the industry
  - EHR
  - Enable RHIOs
  - Community Connectivity
  - Clinical Leadership
  - Standards and Regulatory
  - HIMSS and IHE Interoperability Showcase
- Key customer requirement
- Improves productivity and efficiency
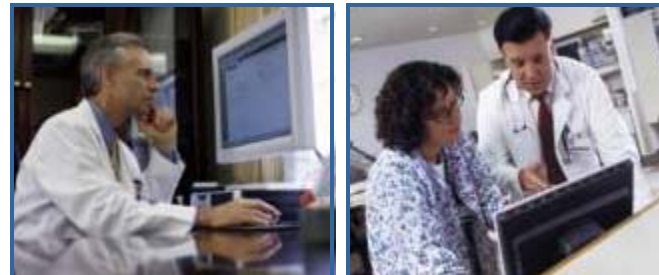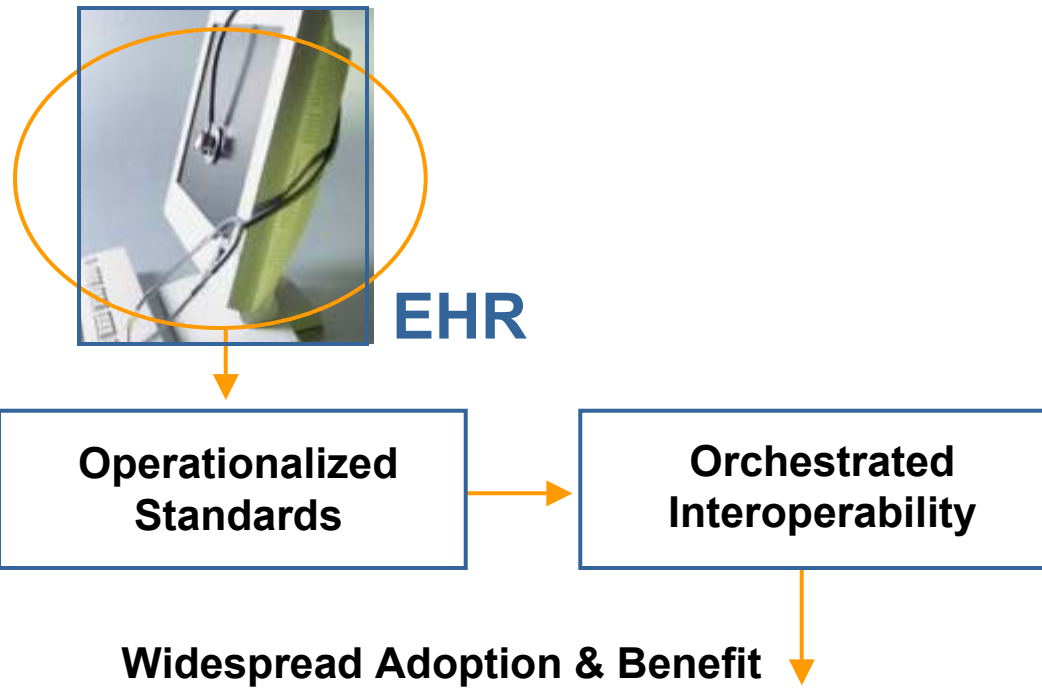 - Single Set of Standards
  - Common Framework

The Tipping Point…

- JCAHO establishes National Patient Safety Goals and associated IT requirements

- IOM releases *Key Capabilities of an EHR System*

- Senate Majority Leader Bill Frist unveils Top 10 Legislative Priorities for 109th Congress – includes HIT

- CHINs unfold across the country

- Leapfrog Group established

- Medicare Modernization Act mandates e.prescribing standards

1992 - 1995　　**2001**　　**2003**　　**2005**

Emergence of Clinical IT　　**Era of Patient Safety**　　**National Movement Toward Connectivity**

1991

- IOM releases the Computer-based Patient Record

- Computer-based Patient Record Institute established to promote EHR adoption

1999

- IOM releases *To Err is Human*

2002

- Markle Foundation forms Connecting for Health Initiative – Public/private sector collaboration to promote HIT

2004

- President Bush supports widespread adoption of EHRs within 10 years

- HL7 draft standard for EHRs passes on 2nd ballot

- Dr. Brailer appointed as first national coordinator for HIT

- *The Framework for Strategic Action* released in Washington, DC

- Pay for performance initiatives announced utilizing IT

Strategic Framework Goals

Inform Clinical Practice

Interconnect Stakeholders

Electronic Health Record

Personalize Care

Improve Population Health

The Electronic Health Record

EHR

Operationalized Standards

Orchestrated Interoperability

Widespread Adoption & Benefit

SIEMENS

Standards Activity

SNOMED
HL7
LOINC
ASTM
NIC/NOK

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EHR VA
HiMSS Electronic Health Record Vendors Association

Founded in October 2004 to provide a "collective voice" to respond to external (governmental) initiatives, such as functional standardization, certification, and interoperability.

- Structure
  - Executive Board – 8 Members, 4 enterprise, 4 ambulatory
  - Over 34 EHR vendors – all major players
  - 6 work groups
- Current focus
  - Deliver the future state of interoperable EHRs
  - Achieve cost-effective certification for vendors and our customers

HIMSS EHRVA
Interoperability Goals

- Adoption of a single set of interoperability standards between vendors

- Graded levels of interoperability to be introduced incrementally

- Sustainable processes for profiling and testing standards (i.e., IHE)
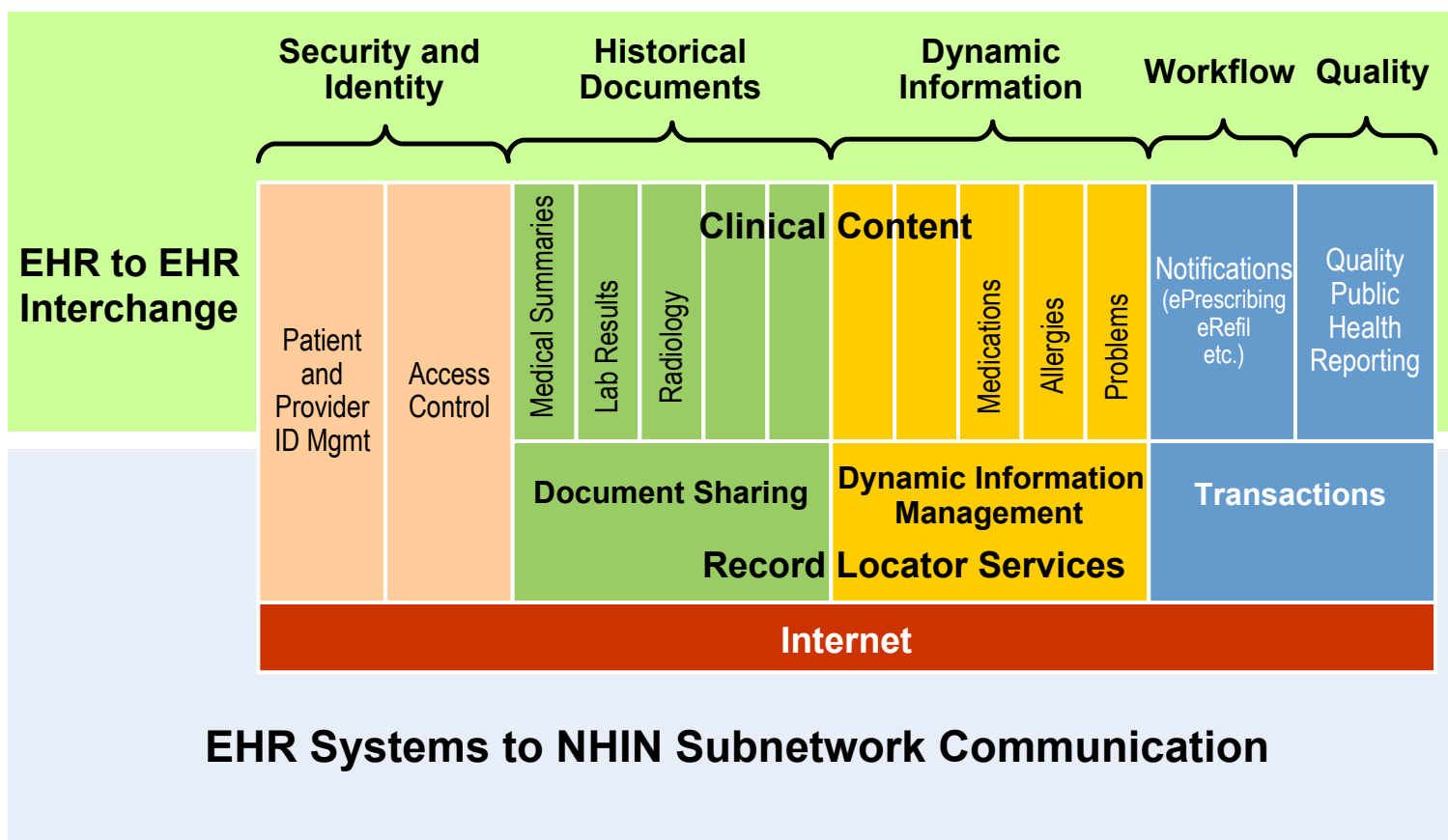
Siemens and Interoperability

■ Serve as an industry leader and advocate.

■ Invest in standards development for interoperable systems and applications.

■ Implement standards to leverage Siemens and customers' HIT investments.

■ Help customers achieve optimum workflow with minimum up-front investment and ongoing cost.

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