

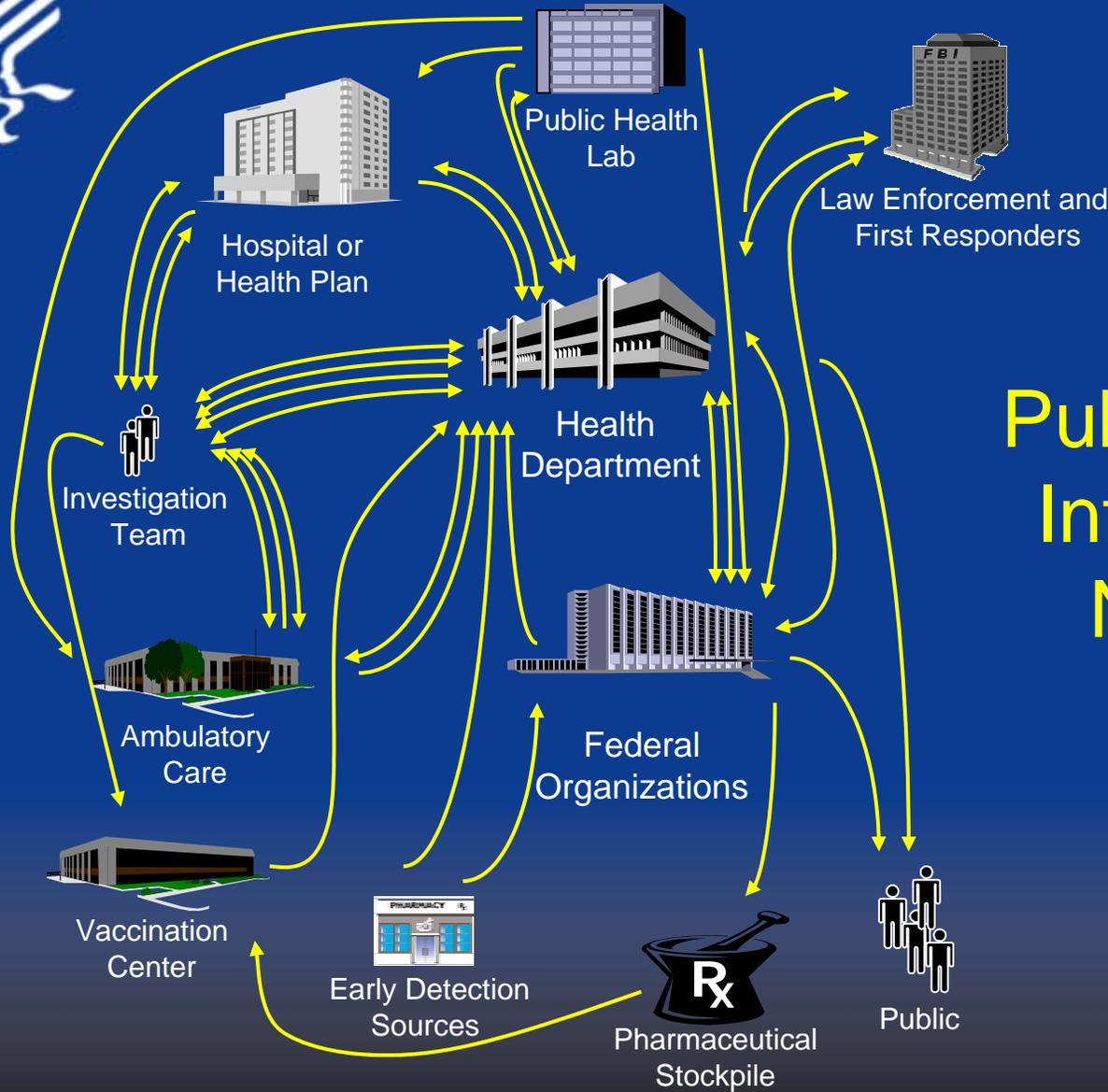


# Partnering for Interoperability

Atlanta, Georgia

May 26, 2004

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# Public Health Information Network

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# PHIN Coordinated Functions



- **Detection and monitoring** – support of disease and threat surveillance, national health status indicators
- **Analysis** – facilitating real-time evaluation of live data feeds, turning data into information for people at all levels of public health and clinical care
- **Information resources and knowledge management** - reference information, distance learning, decision support
- **Alerting and communications** – transmission of emergency alerts, routine professional discussions, collaborative activities
- **Response** – management support of recommendations, prophylaxis, vaccination, etc.

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# Interoperability: Moving from conceptual to real



- Each health care delivery setting will have different electronic records status
- Each state/jurisdiction will have specific plans
  - ◆ Which systems to integrate
  - ◆ What funding streams available
- Central concept is implementation of standards based interoperable systems so all
  - ◆ Maximize reuse of data exchange infra-structure
  - ◆ Minimize data re-entry
  - ◆ Facilitate real time information exchange
  - ◆ Plan for extensibility

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# Burden of "stovepipes"



Data source	Local Health	State health	Federal	Federal
Hospital	ED visit monitor	Patient safety	Quality measures	Drug adverse events
Public health lab	Foodborne outbreak	Toxic waste site monitor	Biowatch results	Food samples
Ambulatory care	Immunization registry	State registry	HRSA, CMS, CDC	FDA/CDC adverse events

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# Health Information Systems: progress toward interoperability



- eGov Consolidated Health Informatics project adopts government wide interoperability standards:
  - ◆ HL7 messaging standards
  - ◆ LOINC—lab test identifiers
  - ◆ SNOMED—lab result content
  - ◆ EPA's Substance Registry System
- Government license for SNOMED made available 4/2004

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## Health Information Systems: progress toward interoperability

- Proposed HL7 standard for Electronic Health Record
- HIPAA Security, Privacy regulations
- Public private consortia
- Medicare Modernization Act of 2004 includes e-prescribing, demonstration projects
- HHS appoints David Brailer, M. D. as National Health Information Technology Coordinator

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