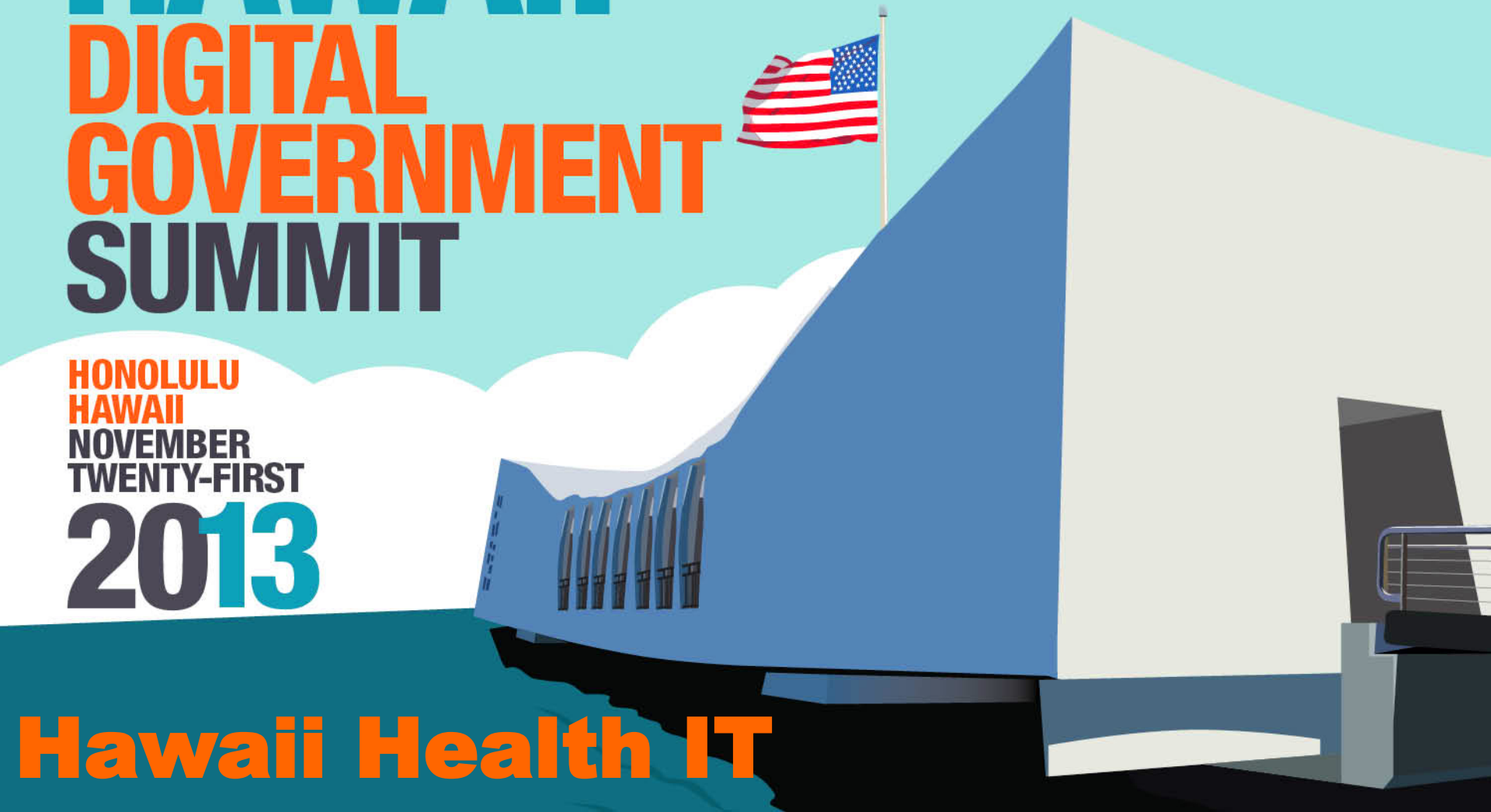
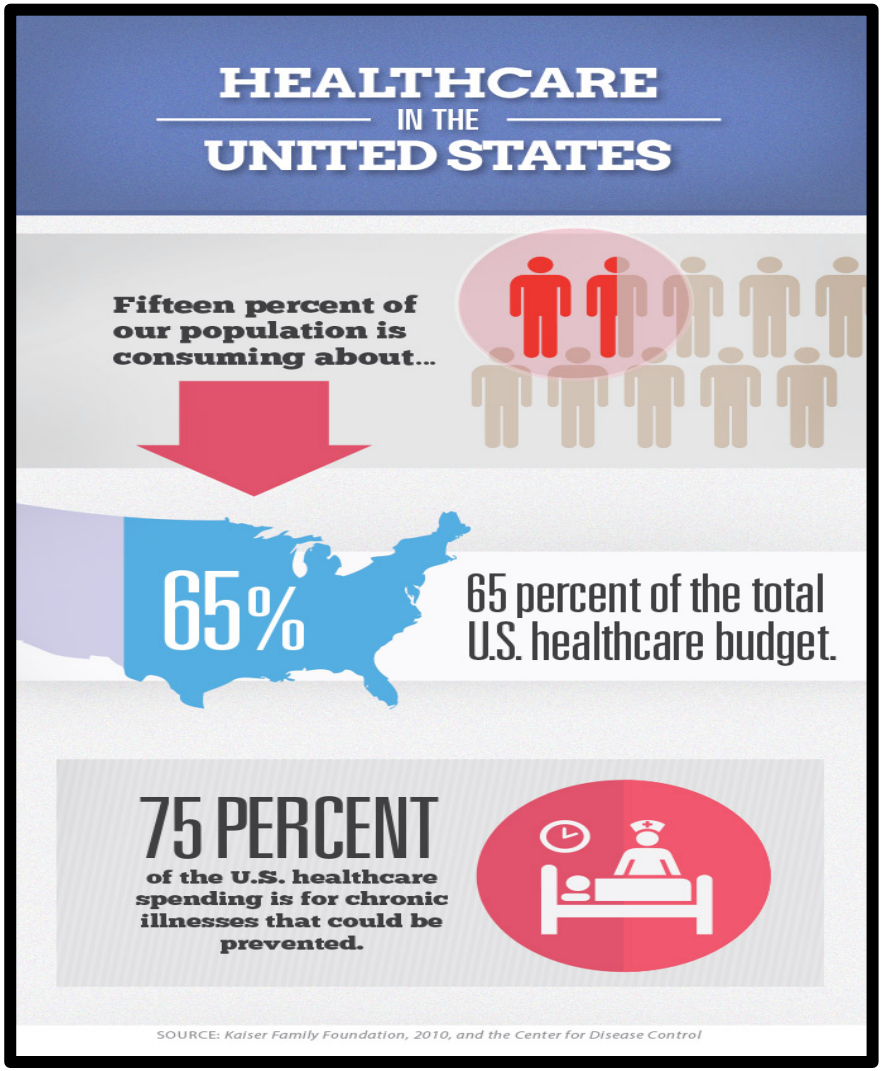
GOVERNMENT TECHNOLOGY®

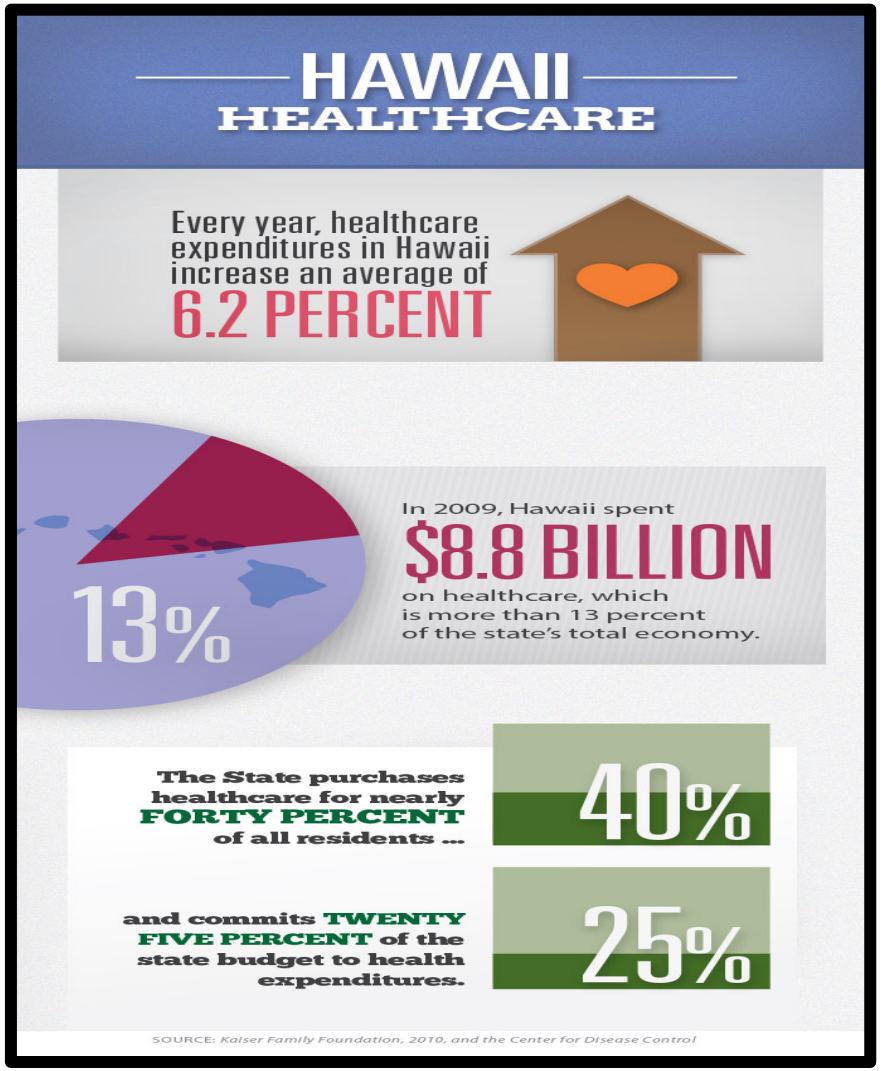
HAWAII DIGITAL GOVERNMENT SUMMIT

HONOLULU
HAWAII
NOVEMBER
TWENTY-FIRST
2013



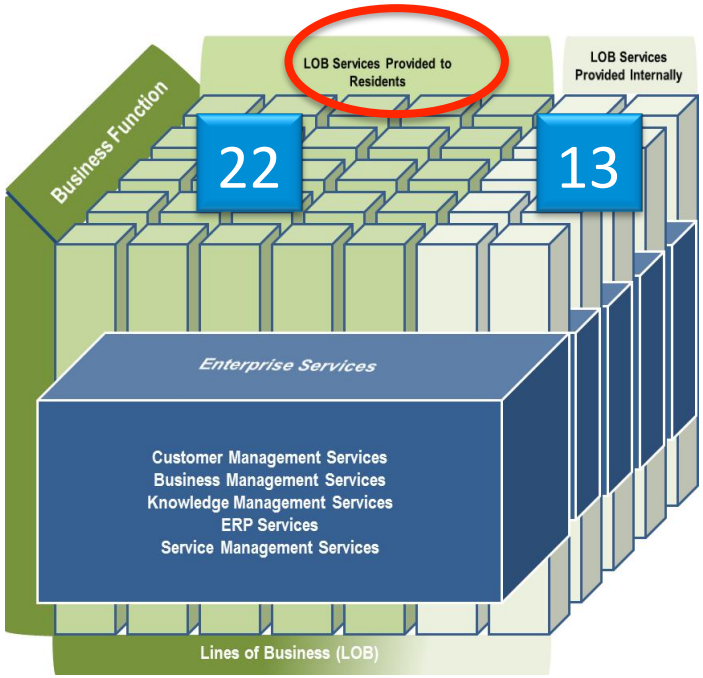
Hawaii Health IT





Source: http://www.hawaiihealthcareproject.org

The State of Hawai`i



- **Budget**

  $11 B State (~30% Federal) – 1.4% IT

- **People**

  1.4 M residents - 41K State employees – 1.8% IT

- **Organization**

  18 Departments, 108 Attached Agencies, and 162 Boards & Commissions; de-centralized IT

- **Business**

  35 Lines of Business; 220 Business Services; 100's of Complex, Manual, Silo, Paper Processes

- **Technology**

  ~30 years old; 743 fragmented IT systems (90= Health IT); No interoperability, Disaster Recovery

A Value Chain for Hawai`i

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Services Delivered Externally by LOBs

- Economic Development, Commerce & Consumer Affairs
- Human Services, Workforce Management
- Defense, Homeland Security, Disaster Management, Law Enforcement
- Environmental Management, Public Health, Child Support
- Land & Natural Resources, Hawaiian Home Lands
- Correctional/Public Safety, Criminal Justice, Juvenile Justice, Legal
- Transportation
- Education, Higher Education, Public Libraries
- Agriculture

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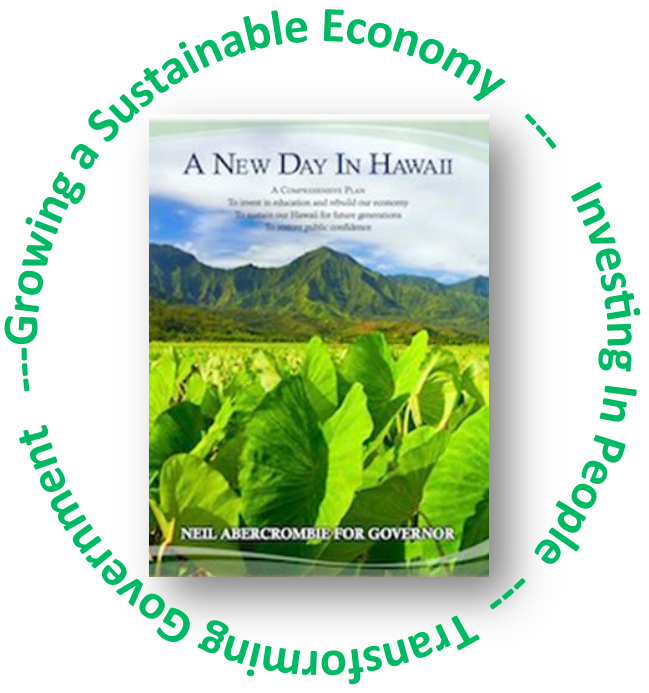
Services Delivered to Other LOBs

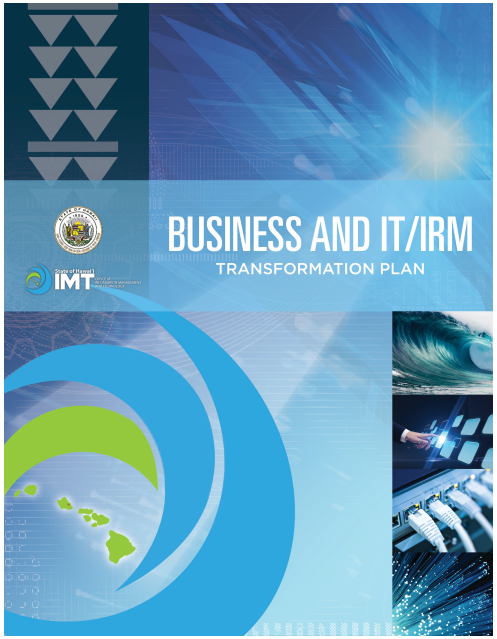
- Procurement, Asset Management & Inventory Control
- Policy, Controls & Oversight, Legislative Relations
- Budget & Finance, Financial Management, Revenue Collection
- Information Technology Management
- Planning & Resource Management
- Logistics, General Services
- Grants Management
- Public Affairs

Business Outcomes

- Value To Citizens
- Value to Business Partners
- Value to Federal Agencies and Other Funding Providers

#1 The New Day Vision:
Business and Technology Transformation

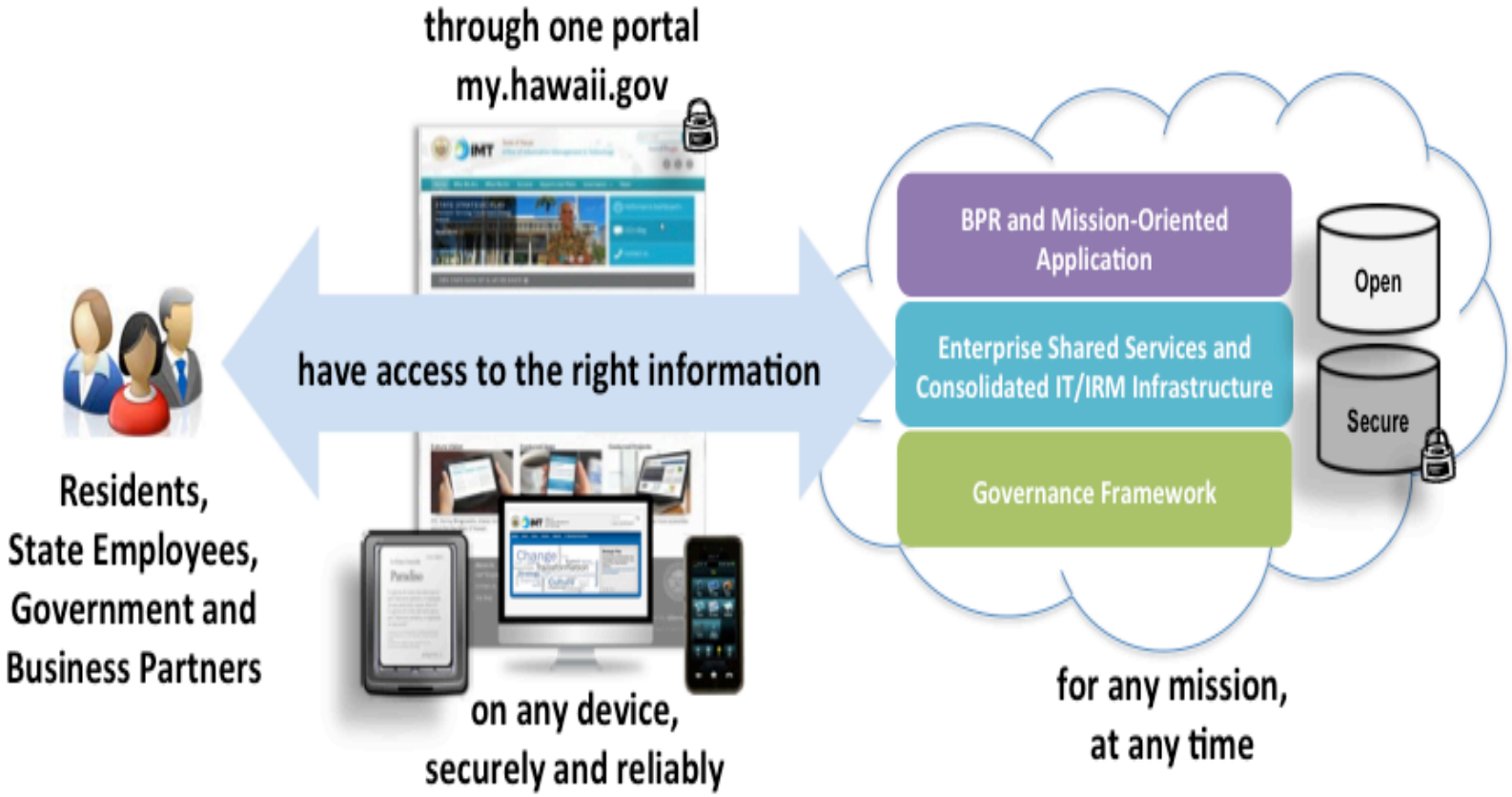




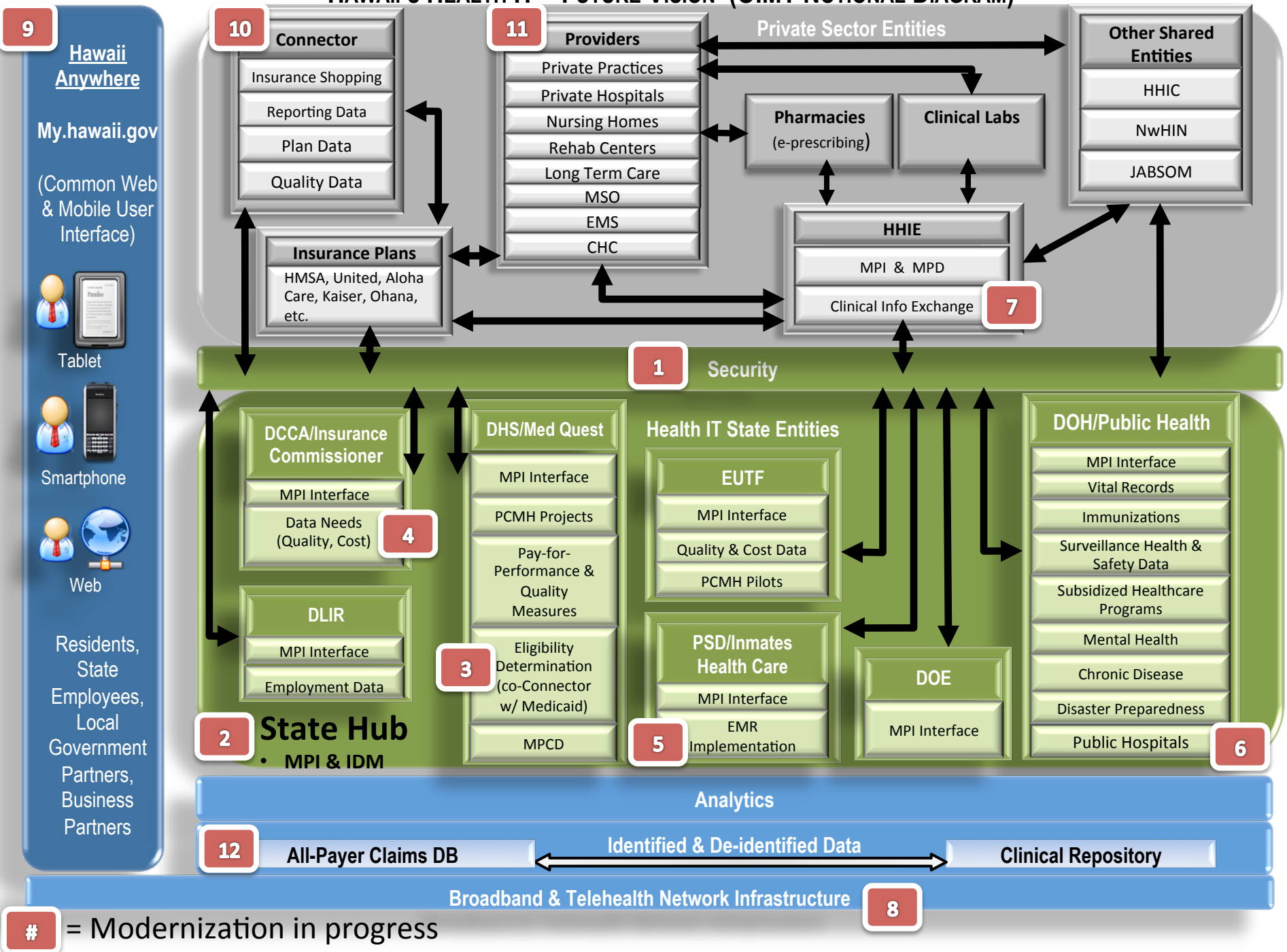
http://hawaii.gov

http://oimt.hawaii.gov

The OIMT Vision is a Digital State



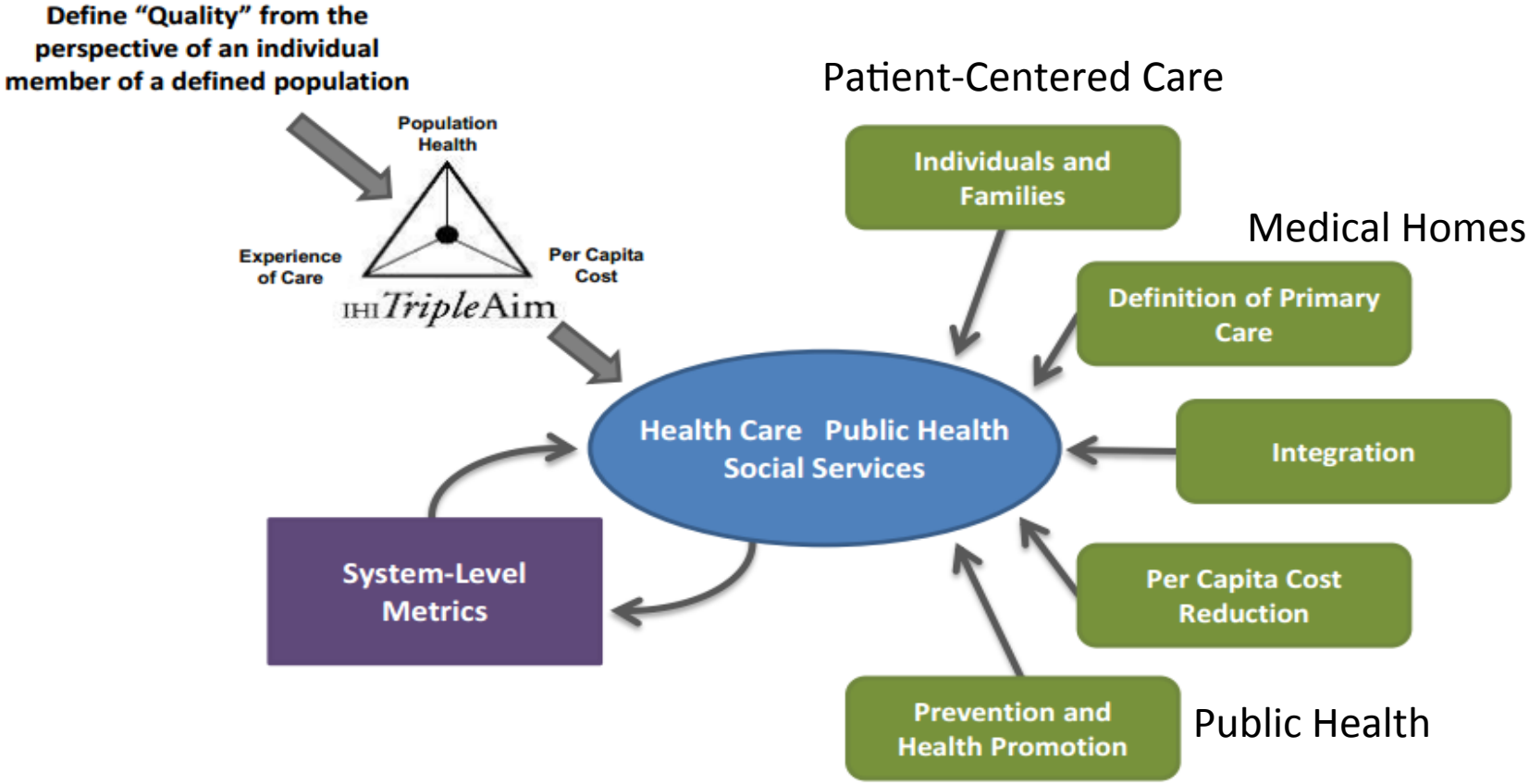
Hawaii's Health IT – Future Vision (OIMT Notional Diagram)



Alignment and Goals

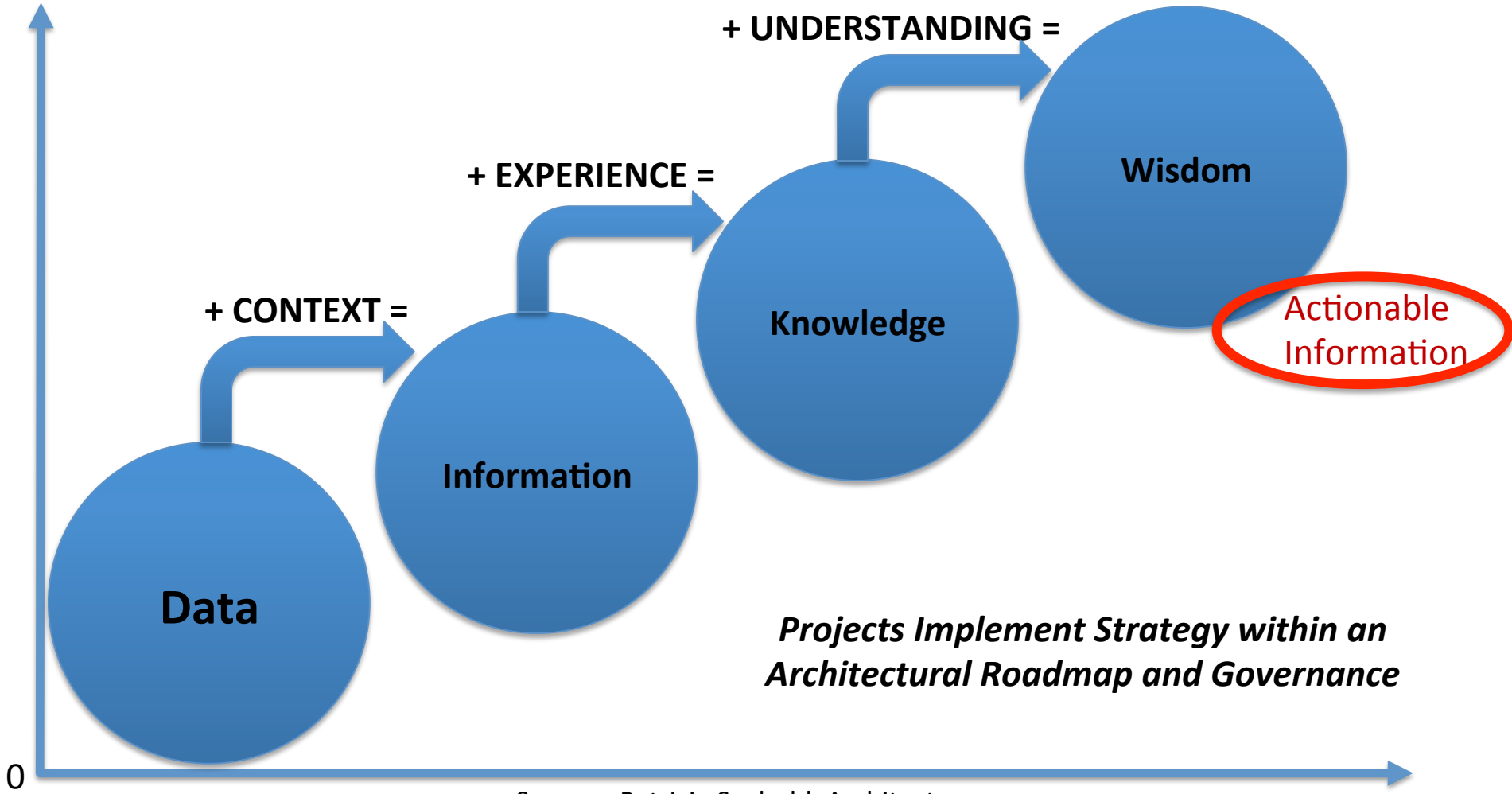
Hawaii Health IT/ IRM Goals	Alignment to "Triple Aim"	MITA Alignment
1. Secure data access for health transformation 2. Provide analytics capabilities to inform policymaking for public health 3. Provide cross-program analyses 4. Ensure program integrity 5. Provide better resident services	i. Improve patient experience (quality & outcomes) ii. Manage cost iii. Improve public health	1) MITA Alignment Condition 2) Modularity Standard 3) Industry Standards Condition 4) Leverage Condition 5) Business Results Condition 6) Reporting Condition 7) Interoperability Condition

Design of the Triple Aim Enterprise for All Health IT Programs



http://www.ihi.org/offerings/Initiatives/TripleAim/Documents/IHIDesignofaTripleAimEnterprise.pdf

Creating a Learning Health System



Projects Implement Strategy within an Architectural Roadmap and Governance

Source: Patricia Seybold, Architect

Hawaii's Major Health Strategies

1. **IT & Performance Improvement**
   - Goal: Get to increased levels of understanding through normalized data across silos, governance, standardization, common analytics

2. **Patient-Centered Improvement Strategies**
   - Goal: Actionable patient-level information for care utilizing common metrics, dashboards, and reporting on key performance indicators (KPI)
   - Empower cross-program analysis, and utilizing common dashboards (e.g., identify longitudinal trends, disease registries, patient-level interventions)

3. **Align State-Payer Quality Strategies: Medicaid & EUTF**

   MedQuest Quality Strategy
   - Monitoring: compliance to standards
   - Identifying & Pursuing: opportunities for improvement
   - Providing Framework: to enable quality interventions
   - Assuring IT Infrastructure: to provide needed data & analytics

(Source: DHS)

Alignment to Hawaii Health IT Initiatives

Policy/Process

- Healthcare Transformation State Innovation Model
- Strategic Planning
- Regulatory Compliance
- Business Process Reengineering (BPR)

Data/Information

- Data Governance
- Master Data Management
- Data Repository
- Data Integration
- Data Visualization & Feedback
- BI/Analytics/Trend Analysis

Infrastructure

- State Data Services Hub
- Telehealth
- My.Hawaii.Gov Portal
- Security & Information Assurance

Hawaii's Major Health IT Projects

Clinical Health IT

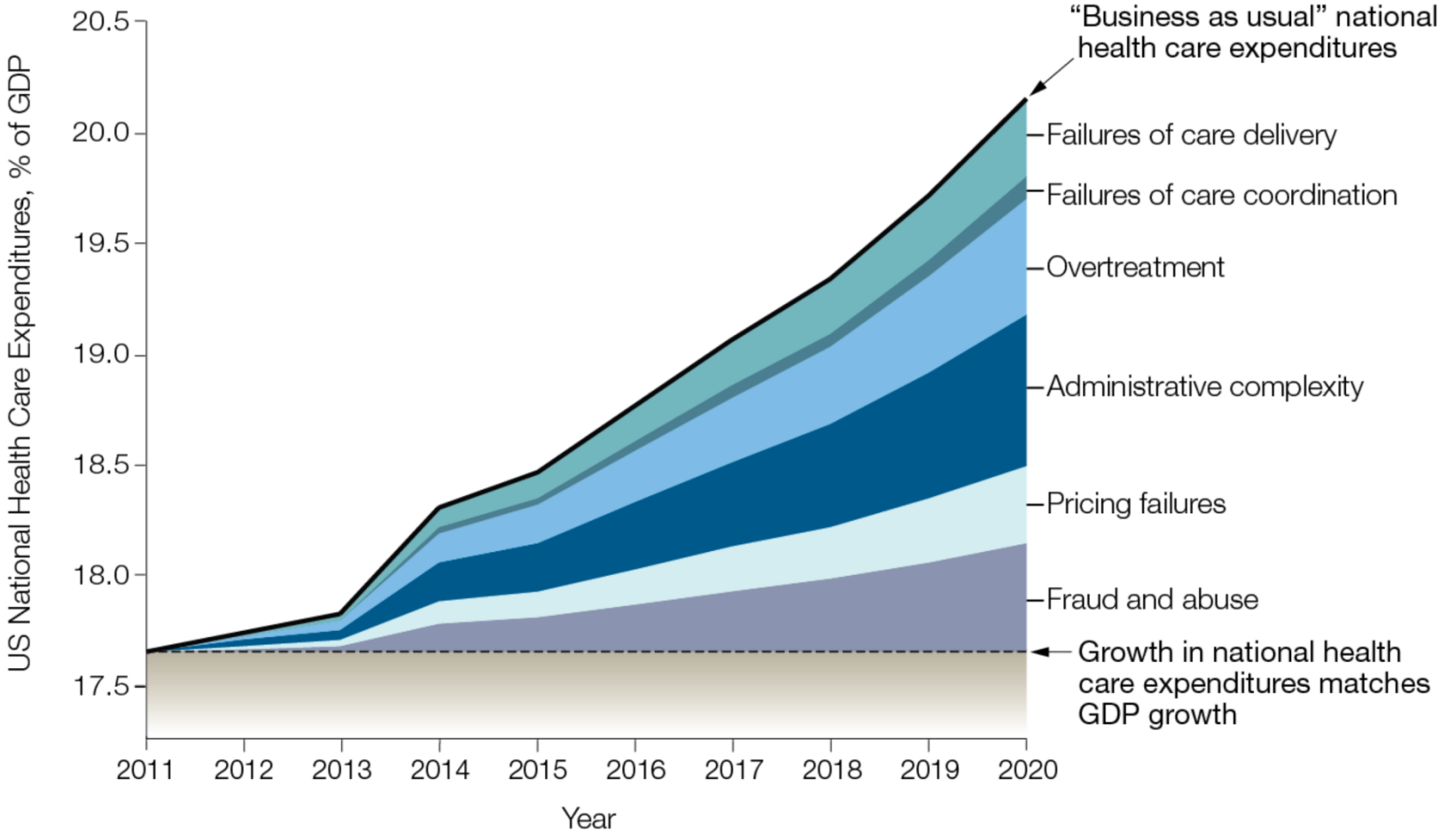
- Healthcare Transformation
- Data Governance
- Data Repositories & Analytics
- EHR Modernizations
- Medicaid Meaningful Use program
- Public Health Data Exchange
- *Hawaii Health Information Exchange – HHIE*

Affordable Care Act & Health IT

- DHS Integrated Eligibility System
- DHS/OIMT State Data Services Hub
  - Data Hub & Master Data Management
- *Hawaii Health Connector (Hawaii Health Insurance Exchange - HIX)*

Non-profit State-Designated-Entities

Improving Healthcare Quality and Efficiency: Opportunities for HIT



From: **Eliminating Waste in US Health Care** JAMA. 2012;307(14):1513-1516. doi:10.1001/jama.2012.362