

Connecting Alaska's EHRs for Secure Data Exchange



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Presentation Overview

- HIE 101
- National Perspective
- State Perspective
- HIE Overview
- Sustainability



Definitions

- Protected Health Information (PHI)
 - Clinical and demographic patient data
- Health Information Exchange (HIE)
 - Moving large amounts of PHI securely through the internet, encrypted from end to end
- Direct Secure Messaging (DSM)
 - Moving a single patient record securely through the internet, encrypted from end to end



Alaska eHealth Network Mission

To improve the safety, cost effectiveness, and quality of healthcare in Alaska through widespread secure, confidential electronic clinical information systems including promotion of electronic health records and facilitation of health information exchange.

Vision

A connected Alaska healthcare delivery system.

Geographic Service Area

State of Alaska and Pacific Northwest





History

- 6 years in planning and modeling
- 450 Alaskan providers and consumers participated
- 1.5 years implementing
- \$6 M in grants and contracts
- Time investment from many organizations



National Perspective

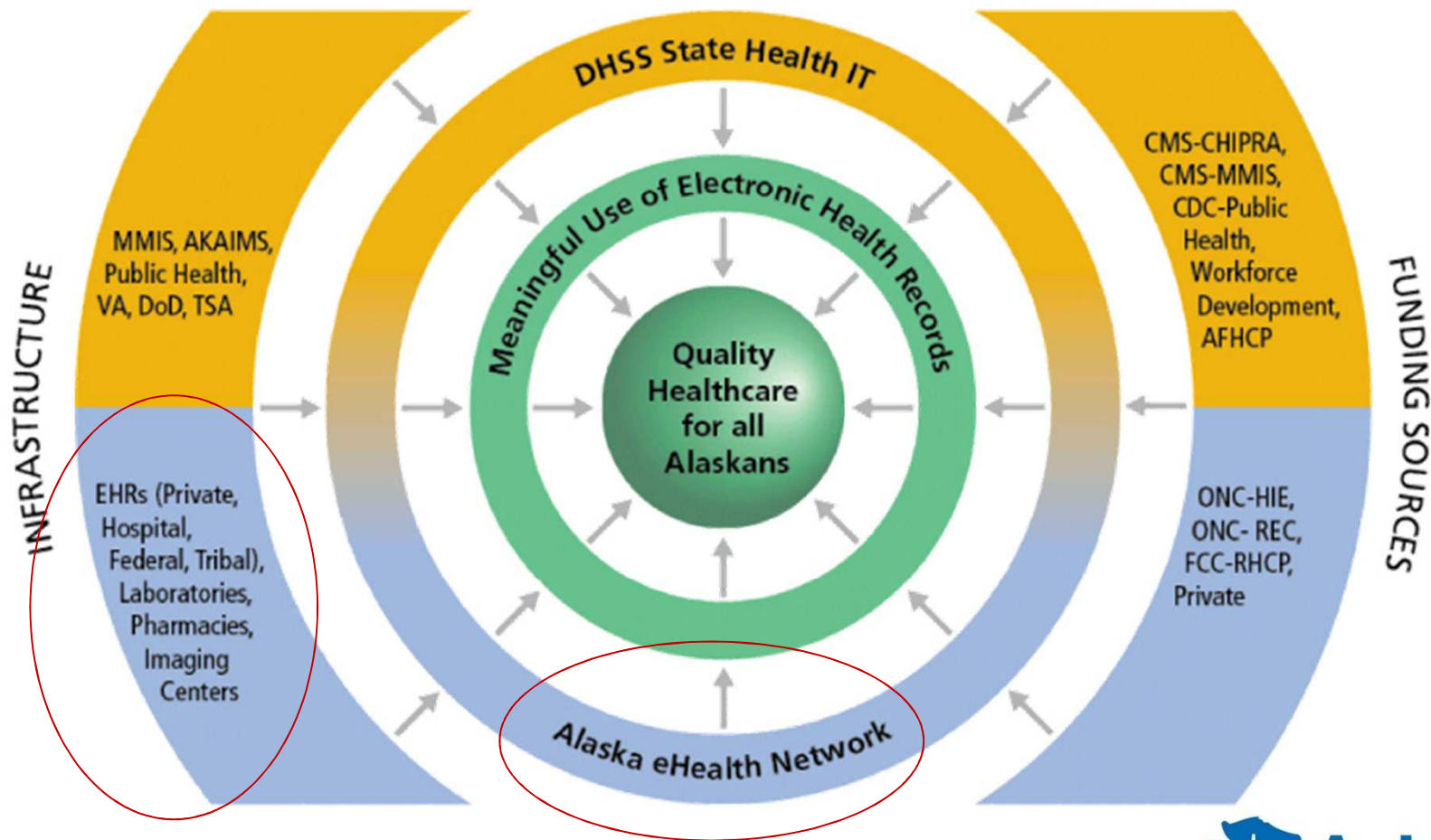
- Bipartisan Initiative – Bush/Obama
- Benefits
 - Improve health quality, safety and efficiency
 - Engage patients and their families
 - Improve care coordination
 - Improve population health, reduce disparities
 - Ensure privacy and security protections

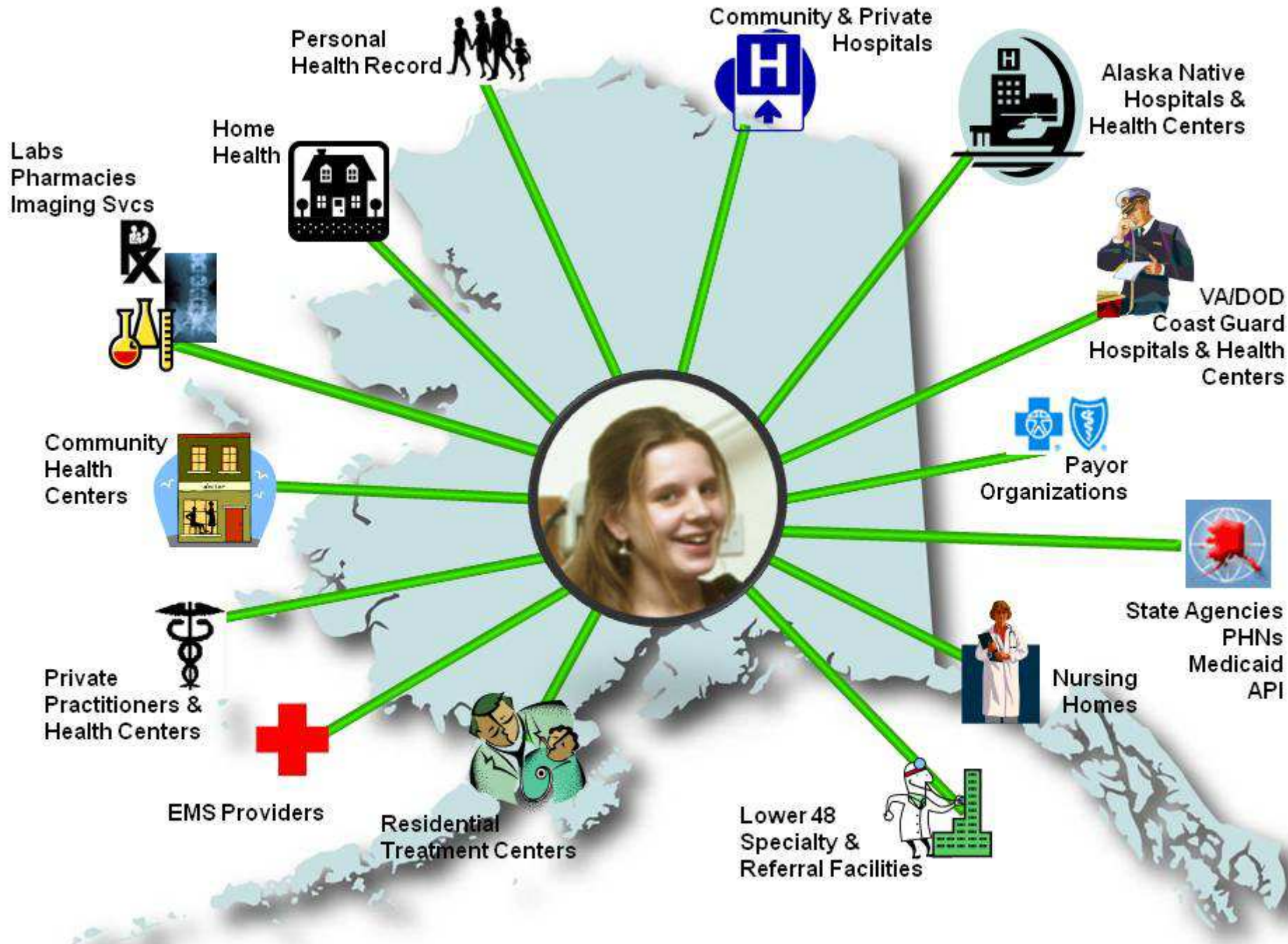


State Perspective

- SB 133 Statute – 2009
- >\$2 M Annually
- Opt – Out Model (all in)
- HIT Coordinator

Public/Private Convergence







Health Information Exchange

- Replaces costly and non-secure processes
- Ensures timely record access
- Follows HIPAA guidelines for data exchange (treatment and payment)
- Provides audit trails of record access
- Builds relationships



Health Information Exchange

- Software as a Service (SaaS) Model
 - No capital costs/No replacement costs
 - Rapid deployment
 - Lower cost of operation
- Orion Health
 - 2nd largest HIE vendor in US, global
 - 8 SaaS clients
 - Rhapsody Interface Engine



Health Information Exchange

- Multiple modes of secure transport based on requirements
 - Master Patient Index
 - Direct Secure Messaging (DSM)
 - Interfaces
 - Data Repositories (federated)
 - Record Locator Service
 - Query Based Clinical Views



Health Information Exchange

- Multiple message types based on EHR
 - Continuity of Care Document (CCD)
 - HL7 Interface Standard
 - PDF, HTML Viewable/Printable
- Multiple data needs
 - Labs, Meds, Xrays
 - Allergies, Problems, Vitals
 - Immunizations, Registries



Projects To Date

- Fairbanks Pilot – 2 million messages
- Direct – 4,000 users, 90,000 messages
- Lab Pilots
 - State of Alaska/LaTouche
 - ANTHC/Rural Sites



Fairbanks Pilot

- Participants

- Fairbanks Memorial Hospital

- Tanana Valley Clinic

- Tanana Chiefs Conference

- Go-Live Q2 2013



Sustainability Plan

- Stakeholder Engagement
- Research and Analysis
- Business Needs and Value Proposition
- Financial Modeling
- Stakeholder Testing and Modifications
- Adoption and Implementation
- Evaluation



Projected Implementations

	FY13	FY14	FY15	FY16
Hospital Implementations	5	9	15	27
DSM Users Implementations	4,000	6,000	8,000	10,000
Provider Implementations (HIE, DSM)	300	700	1,200	2,000
Payor Implementations (covered lives)	76,000	200,000	300,000	350,000

Class of Service

Description of Services	Class of Service		
	Basic	Silver	Gold
DSM	X	X	X
Clinical Portal		X	X
EHR Lite			X
Patient Portal		X	X

Fee Schedule (DRAFT)

	Providers	Hospitals	Payers
Basic	\$9/user/year	\$9/user/year	NA
Silver	\$100 per provider/year	Per ASHNHA formula	NA
Gold	\$250/provider/year	\$250/provider/year	NA
ADD ONS:			
Imaging	\$50/provider/year	\$50/provider/year	NA
Population Health	\$60/user/year	\$60/user/year	NA
Disease Management	\$50/user/year	\$50/user/year	NA
Notifications	Included in Silver	Included in Silver	\$1.50/covered life/year

Expenses

	FY13	FY14	FY15	FY16
4490 General Office	8,400	24,500	33,600	35,300
4500 Insurance	6,000	8,400	10,000	10,000
4600 Facilities/Utilities	12,600	36,800	51,600	54,100
5110 Salary	168,000	490,000	672,000	706,000
5170 Fringe	35,300	102,900	142,000	148,300
5210 Legal	48,000	48,000	48,000	38,000
5215 Accounting/Auditing	25,200	48,600	51,000	53,000
5235 Other Consulting	35,000	35,000	35,000	35,000
5500 Travel	19,200	30,000	38,000	35,300
5900 Other	22,500	25,000	33,500	30,000
7610 SaaS Maintenance	1,000,000	1,340,000	1,400,000	1,575,000
7620 Custom Requests	220,000	140,000	150,000	150,000
Total Expenses	\$1,600,200	\$2,329,200	\$2,664,700	\$2,870,000



Revenues

	FY13	FY14	FY15	FY16
4300 Contract Revenue - SOA	1,312,000	1,548,000	1,548,000	1,548,000
4310 Fees - Hospitals	118,200	409,200	560,700	576,000
4320 Fees - Providers	21,000	37,000	71,000	186,000
4330 Fees - Payors	114,000	300,000	450,000	525,000
4390 Donations	35,000	35,000	35,000	35,000
Total Income	\$1,600,200	\$2,329,200	\$2,664,700	\$2,870,000



Adoption Details

- Early Adopters' Advantage
- Participation Agreement
- Website for Information

<http://www.ak-ehealth.org>



If everyone is moving forward together,
then success takes care of itself.

—Henry Ford

Gettin' good players is easy. Gettin' 'em to
play together is the hard part..

—Casey Stengel



Thank you

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