

Defense Health Board, Core Board Meeting: Electronic Medical Records Chuck Campbell, SES, Military Health System Chief Information Officer

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U.S. Department of Defense

MHS MILITARY HEALTH SYSTEM

OCIO Office of the Chief Information Officer



03 / 01 / 10

Agenda

- Mission
- Continuum of Care
- Electronic Health Records
- Focus Areas for Improvement
- Potential Value of Structured Data
- Virtual Lifetime Electronic Record
- Wrap Up

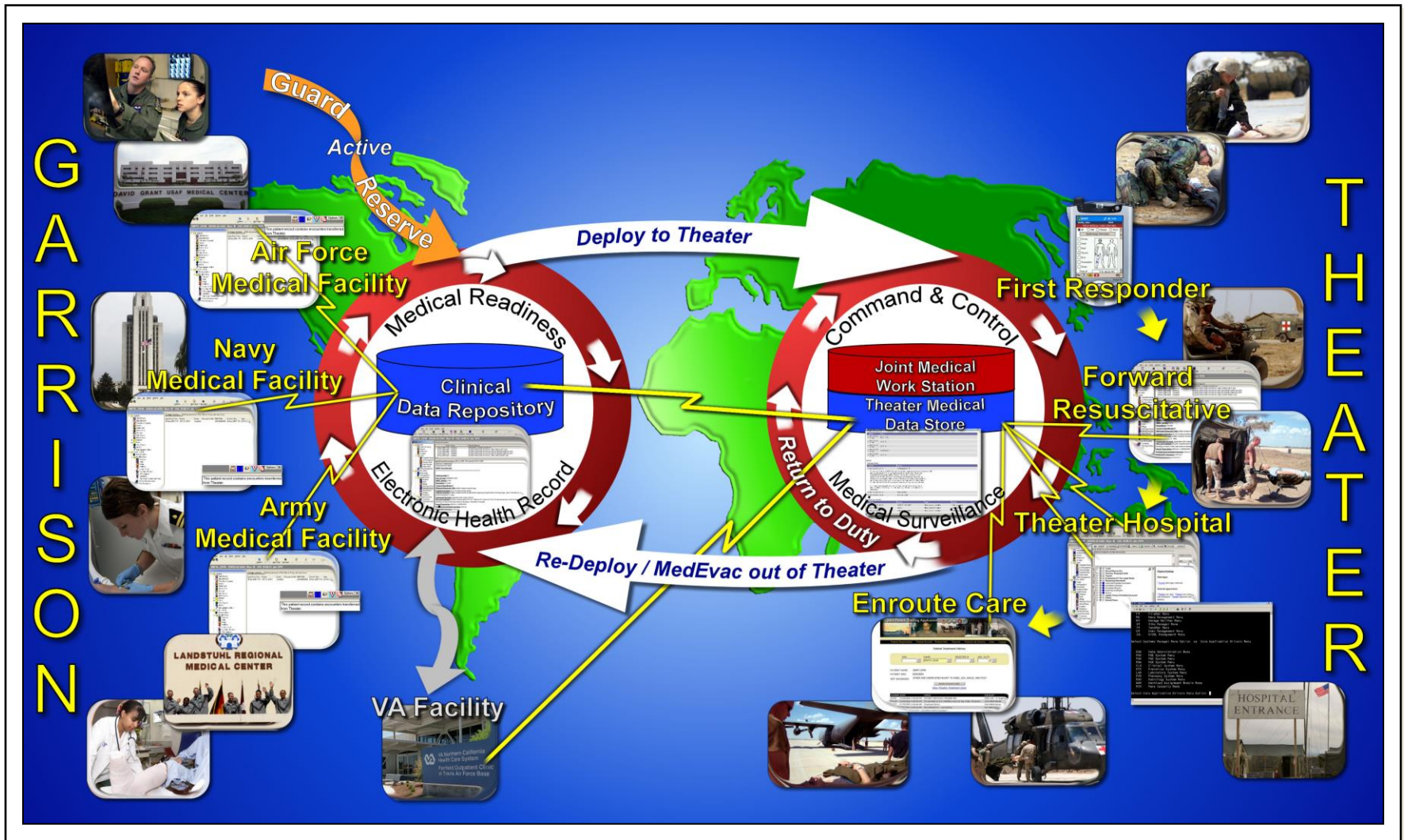


Mission

Provide the right information to the right customers at the right time to improve and maintain the health status of our beneficiaries across the entire continuum of health care operations



Healthcare Is Local... Information Is Global



Electronic Health Records

Problem

Solution

Current Electronic Health Record Family of Systems

DoD Electronic Health Record

Garrison Outpatient Documentation

More than 135 Million
outpatient clinical encounters
captured electronically

Theater Documentation

More than 3 Million outpatient
clinical encounters captured
electronically

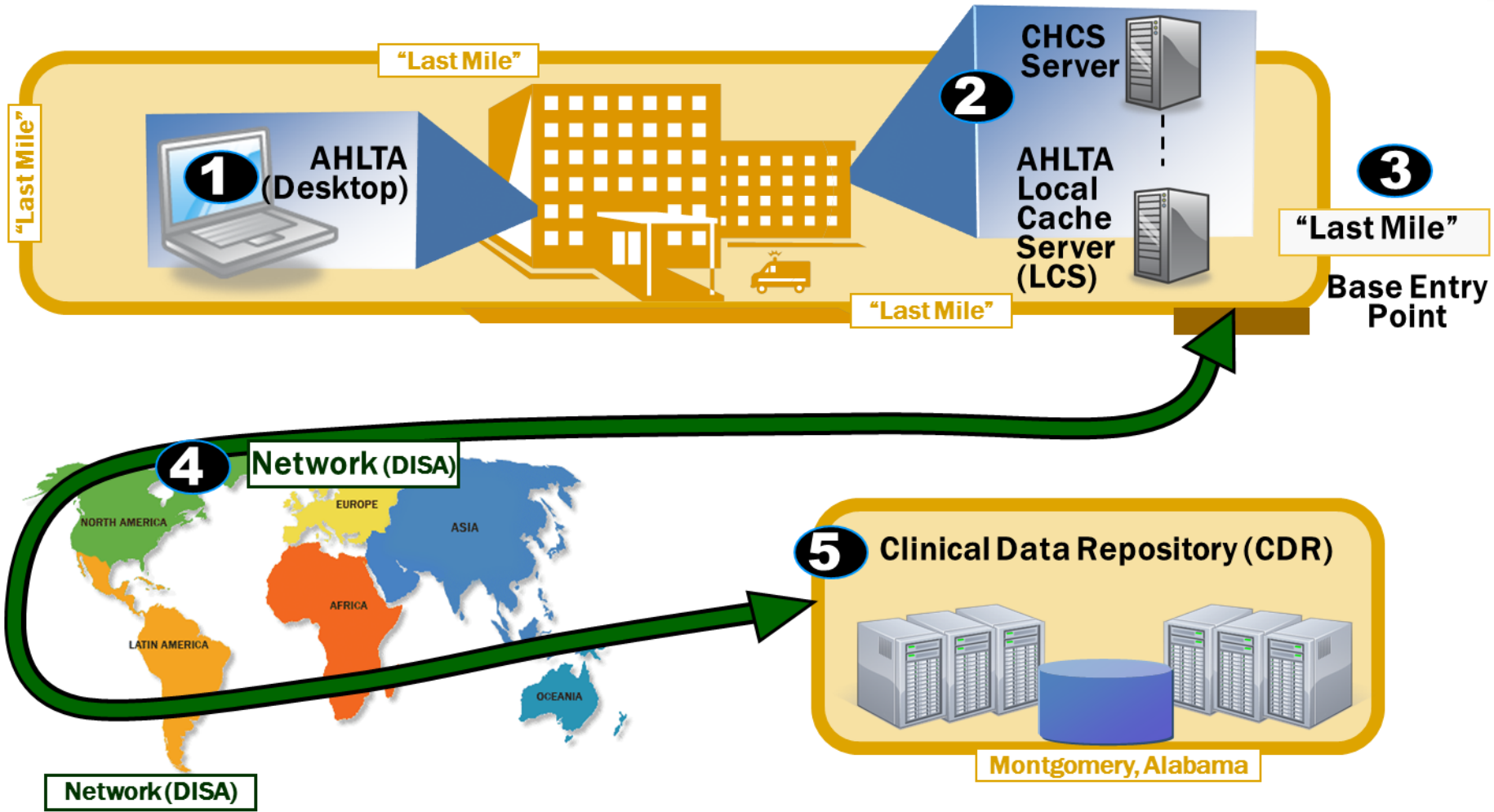
Garrison Inpatient Documentation

Deployed at 30 sites,
covering 67% of DoD's
inpatient beds

Focus Areas for Improvement

- Speed
- Reliability
- Usability
- Efficiency
- Interoperability
- Capability speed-to-market
- Health record completeness

Speed and Reliability

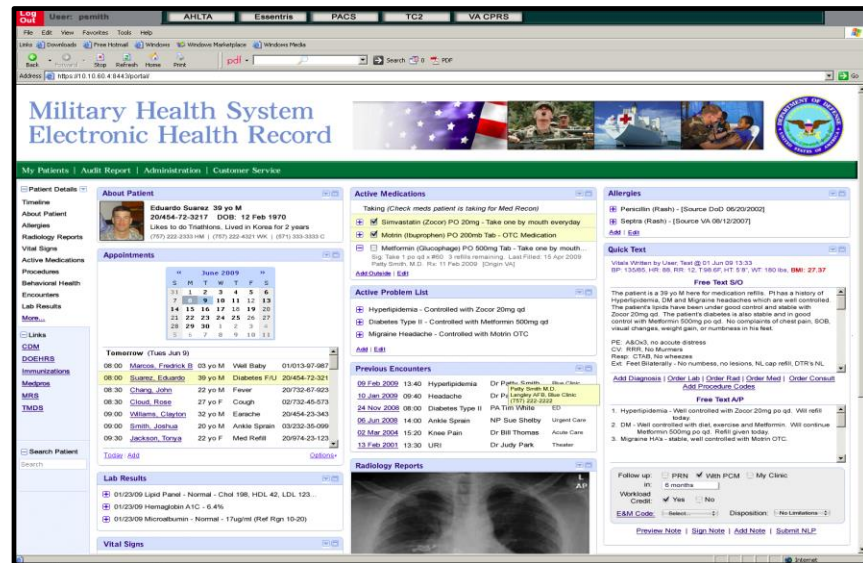


Usability and Efficiency

Single Sign-On and Context Management

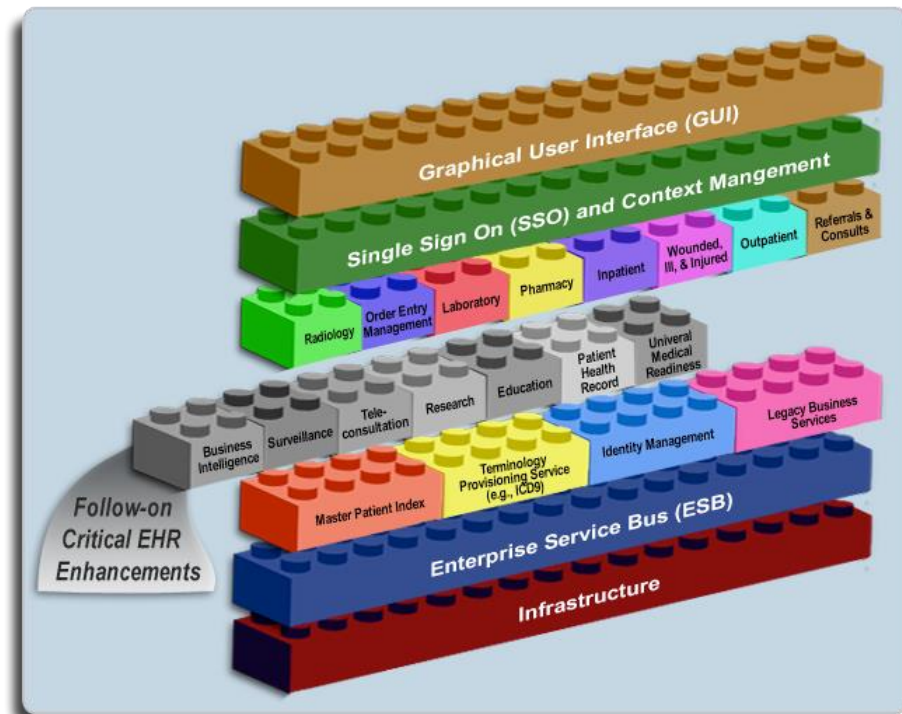
- Users log in once and have access to multiple systems
- Select a patient once and active clinical applications display patient's data

Graphical User Interface



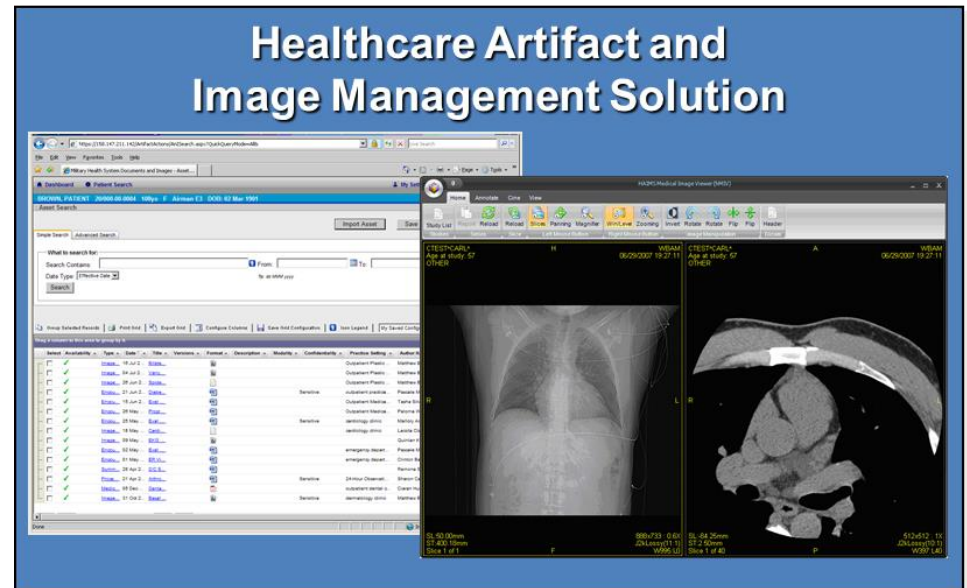
Interoperability and Capability Speed-to-Market

A flexible, modular backbone will improve interoperability, enabling faster delivery of needed information and capabilities as identified within the Functional Community



More Complete Patient Records

- Current records include core clinical data for patient care
- Functional Community identifying additional data types needed
- Improved architecture and infrastructure can enable plug-and-play
- Images and artifacts will be among the first data types added



Global visibility of images and scanned or attached artifacts

Structured Data Collected Once, Used Many Times

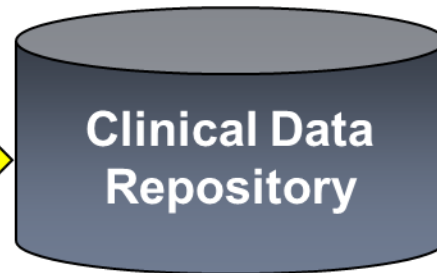
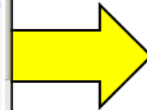
Collected Once

Stored Centrally

Available Globally



Patient Visit
(Point of Care)



Standardized,
Computable Data



Beneficiary Self-Care
Management
Personal Health Record



Provider Care
*Patient Record, Safety Alerts,
Best Practice Reminders*



Business
Decisions
*Health System
Management*



Research
*Clinical Practice
Guidelines*



Command and
Control
Health Surveillance



Billing Processes
*Coding, 3rd-Party
Collections*

External Interoperability

Problem

More than 60% of care in the Military Health System is purchased from civilian sources, yet.....

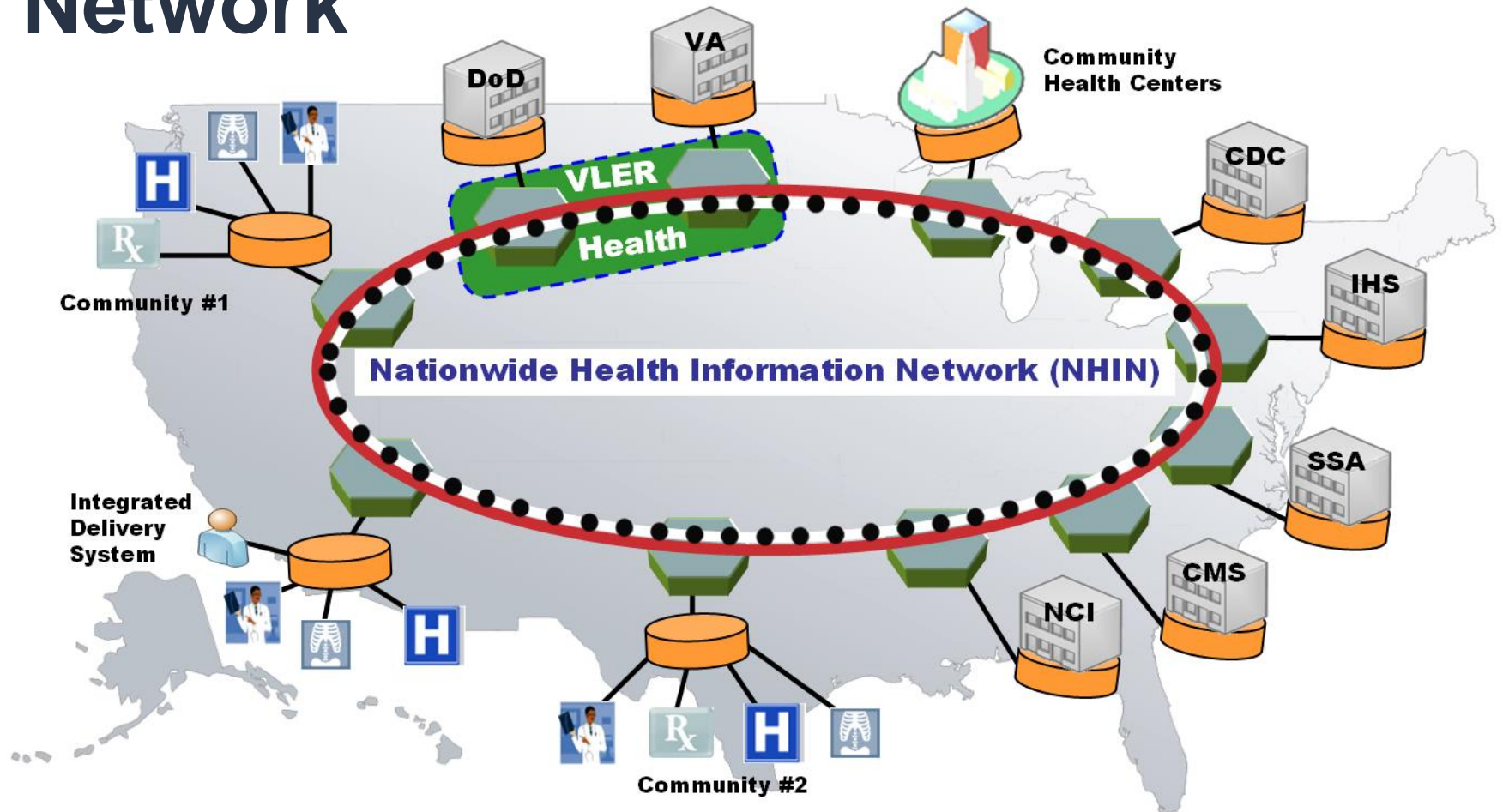
Only 8% of hospitals have basic electronic medical systems, and...

Only 17% of physicians use electronic records

Solution

Develop a Virtual Lifetime Electronic Record (VLER) for beneficiaries by leveraging current efforts led by the Department of Health and Human Services

Virtual Lifetime Electronic Record and the Nationwide Health Information Network



Questions?

