eHealth Exchange™

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An initiative of the **sequoia** project

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In collaboration with Care Connectivity Consortium

Introduction to the eHealth Exchange

Largest Health Data Sharing Network in America Connecting:

26,000 medical groups

All 50 states

950+ dialysis centers

Four federal agencies
(DoD, VA, HHS including CMS, and SSA)

8,300 pharmacies

~50% U.S. hospitals

Supporting more than 100 million patients

Shared Governance and Trust Agreement | Common Standards, Specifications & Policies

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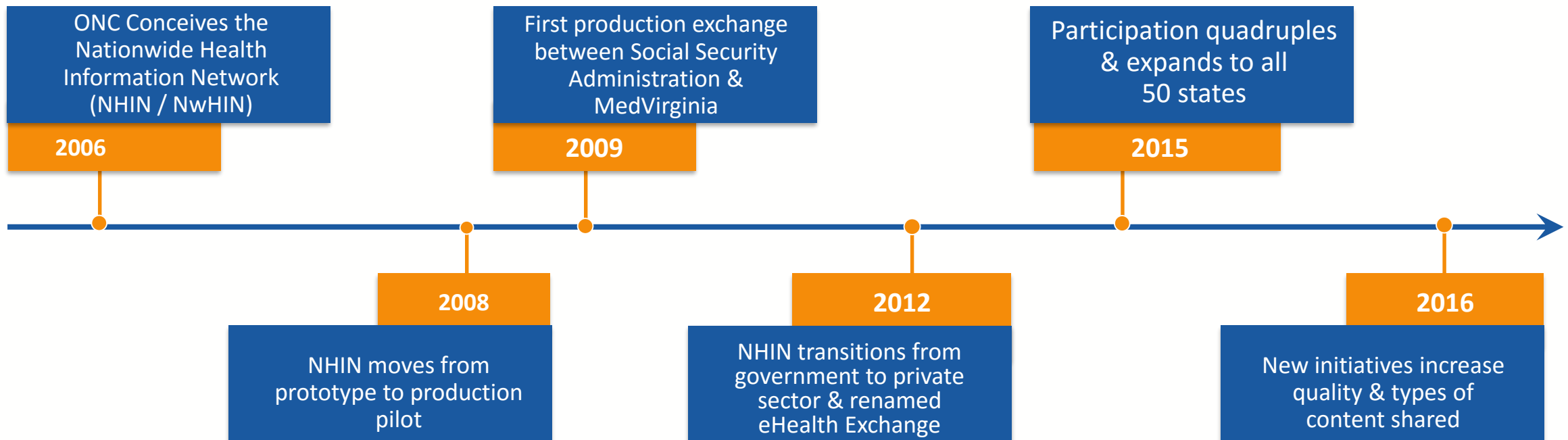
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eHealth Exchange Core Values

- Lead in national-level exchange of health information to establish HIE as a standard of care, while fostering and supporting innovation
- Maintain openness and transparency in the conduct of operations
- Cultivate trust and protection of information exchanged
- Encourage participation and inclusiveness across a diverse set of stakeholders
- Provide for accountability, fairness and due process
- Maximize effectiveness and efficiency in the exchange of health information
- Evaluate, learn and promote continuous improvement in its own operations

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Maturity Matters…Ten Years of Experience

- A solid proven governance model
- DURSA minimizes barriers to nationwide exchange
- Mature capabilities, processes, operations, testing, and with strong cultural knowledge base
- Testing and onboarding have simplified efforts for partners to exchange as part of nationwide approach

- Growth is in the number of medical groups
- Federal partner programs leverage eHealth Exchange as integral part of their interoperability strategy
- Relatively negligible maintenance costs
- Recognized by SDOs as significant nationwide community of implementers

ONC Conceives the Nationwide Health Information Network (NHIN / NwHIN)
2006

First production exchange between Social Security Administration & MedVirginia
2009

Participation quadruples & expands to all 50 states
2015

2008
NHIN moves from prototype to production pilot

2012
NHIN transitions from government to private sector & renamed eHealth Exchange

2016
New initiatives increase quality & types of content shared

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National Use Cases and Standards Supported

Use Cases

- Treatment / Care Coordination
- Military / Veteran Health
- Social Security Disability Benefits Determination
- Quality Reporting for the End Stage Renal Disease Program – CMS
- Patient mediated exchange through a PHR
- Clinical data sharing for alternative payment models
- Immunizations
- Consumer Access
- Life Insurance

Specifications & Standards

- Query: SOAP / SAML + IHE Suite
- Push: Direct, Document Submission / Admin Distribution
- Content: C32, CCDA, quality measures
- FHIR (pilot – HSPC)
- Others under consideration

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eHealth Exchange Validated Products

Why Test Your Product?

New participants leveraging an eHealth Exchange Validated Product reduce effort and cost in onboarding

Vendor	Validated Product		Vendor	Validated Product
Browsersoft	OpenHRE™ from Browsersoft		IOD	PRISM
Cerner	Clinical Exchange Platform		InterSystems	InterSystems HealthShare
FHA	CONNECT		LTS Health Exchange	LTS HEX
Epic	Care Everywhere (2012, 2014, 2015)		Medicity A Healthagen Business	Network v5 and v7
Greenway Health	Greenway Exchange		OPTUM	Optum HIE 2.0
ICA THE INTEROPERABILITY EXPERTS	CareAlign 3.0		ORION HEALTH	Exchange Gateway v3

Supporting Active Duty Military, Retirees, their Families, & Veterans: DoD and VHA Use Case

Active Duty Military, Retirees, and Veterans

- Supports active duty military, retirees, their families, and veterans throughout their care by making it possible for medical records to follow the patient

- Improves Care Coordination and can reduce medical errors

- Allows the exchange of DoD health data with other Federal and Private Sector Partners, for clinical care and benefits determination
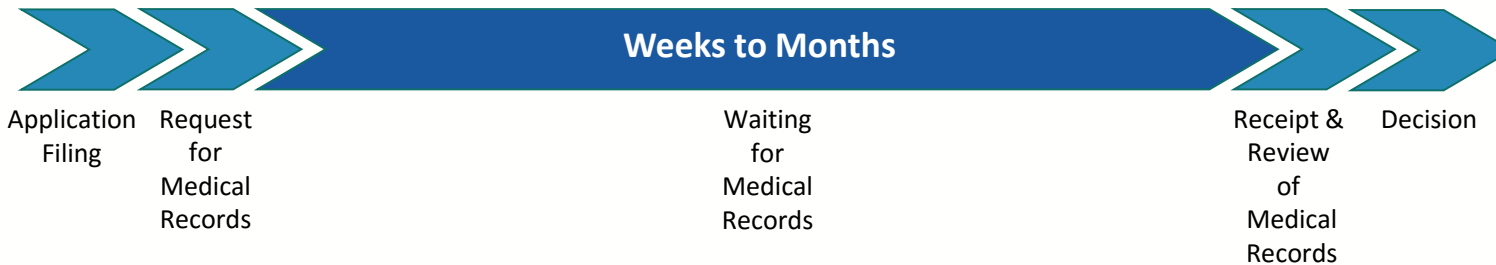
Providers

- Allows access to critical information such as test results, medication history and allergy information is available to providers when the patient receives care in the private sector.

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Determination of Disability Benefits – SSA Use Case

Manual Process (Mail, Fax, Scan)

Weeks to Months

Application Filing | Request for Medical Records | Waiting for Medical Records | Receipt & Review of Medical Records | Decision

Electronic Process (eHealth Exchange)

Seconds to Minutes

Application Filing | Request for Medical Records | Waiting for Medical Records | Receipt & Review of Medical Records | Decision

Benefits for Patients
- Faster disability claim determinations
- Quicker access to monthly cash benefits
- Earlier access to medical insurance coverage
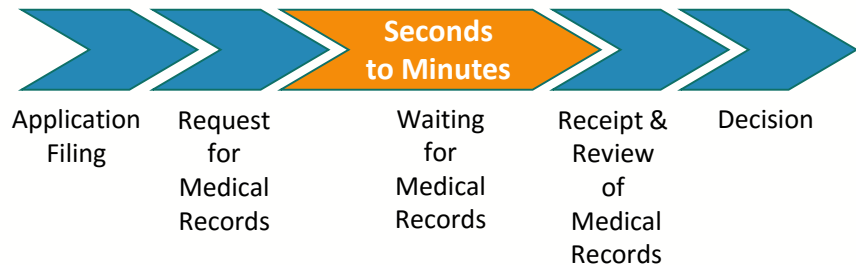
Potential Benefits for Providers
- Electronic payment for medical information ($15 / transaction)
- Automated processing of the request for medical information and payment
- Operational Savings in the ROI process
- Potential to recover uncompensated care
  - Faster disability determinations provide patients with faster access to Medicare or Medicaid benefits

Social Security Disability Programs

As of November, 2015, SSA is interoperating with 50 Exchange Participants consisting of 6,864 facilities

Leveraging the eHealth Exchange – Intel Connected Care

- *Intel Corporation* created an incentivized health insurance/care management program, known as *"Connected Care,"* for its nearly 20K Portland area employees and family members

- Intel's on-campus clinic, known as *"Health For Life Clinic," is managed by Premise Health* and provides a wide-range of ambulatory services

- *Premise Health* uses a *Greenway Health EMR solution*

- "Connected Care" members receive primary care from either local *Kaiser Permanente or Providence Medical facilities (both use Epic EMR solutions)*

(intel)

Want to Learn More?

- Intel will guest present their case study on Wednesday at 2 p.m.

- A detailed whitepaper is available online.

Intel's Connected Care Program
Value-based care model designed to improve overall health and wellness of Intel's employees by providing information exchange and real-time care analytics for optimal care

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Engaging Patients in Their Own Care

eHealth Exchange's PHR Pilot

- Breakthrough use of the eHealth Exchange for individual consumers

- PHR use case

- Policy requirements

- Technical requirements

- Functional requirements

Personal Heath Records (PHR)

PHR systems capture health data entered by individuals and provide information related to the care of those individuals.

Our focus in 2016

Want to Learn More?

- Sequoia Content Testing Program @ 2 p.m.
- Patient Identity management Framework @ 4 p.m.

Service Level Guidance

Increasing connectivity

Provider directory

Production testing (targeted security, with existing tooling)
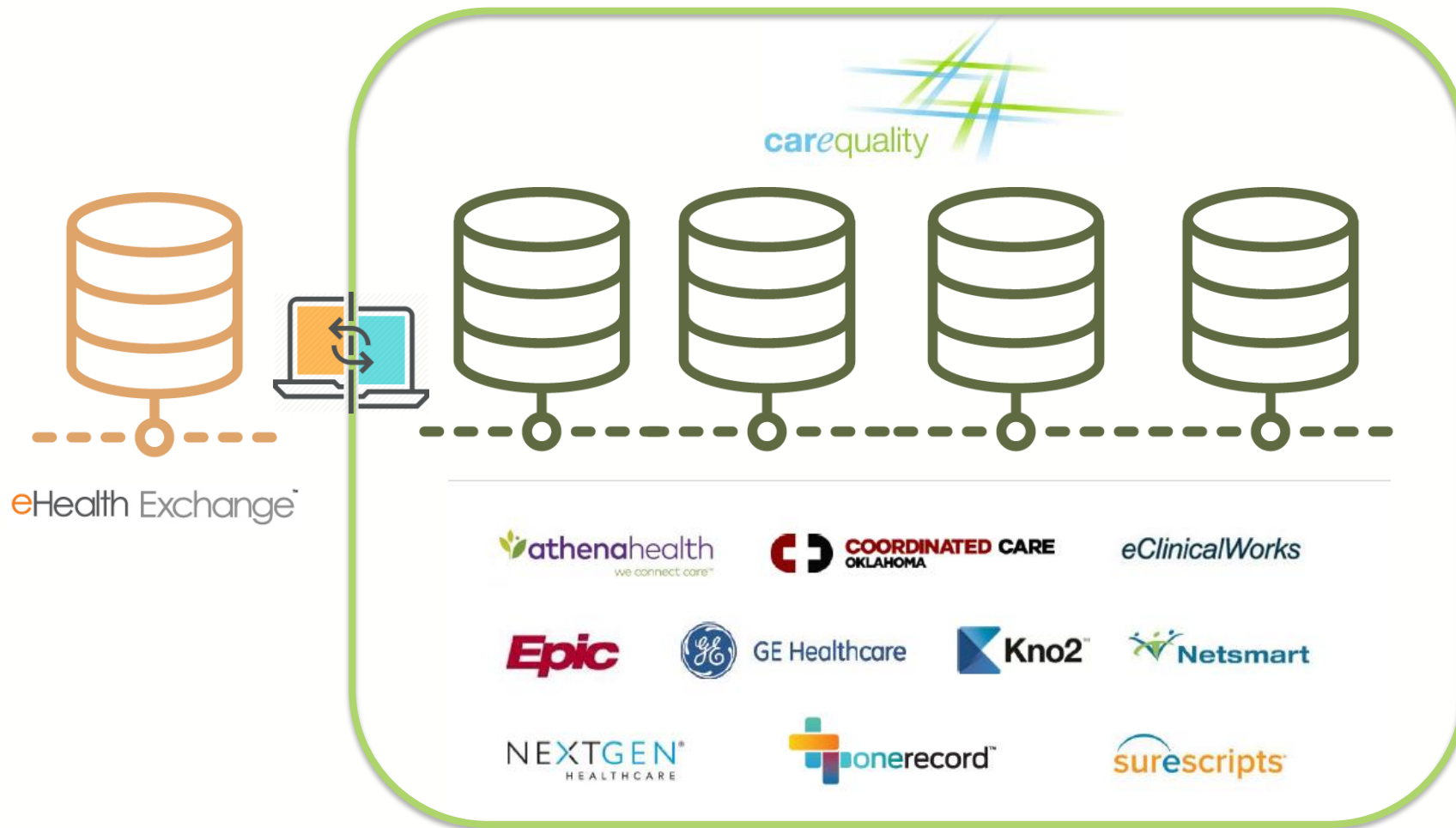
Improve content testing

Patient matching

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Bridging the Gap - eHealth Exchange and Carequality

The **eHealth Exchange** is a health data sharing network

Carequality allows networks, like eHealth Exchange, to connect to other networks

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Thank You!
For more information:

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