CommonWell Health Alliance
“Interoperability for the Common Good”

Scott Stuewe - Director, Cerner Network
NCHICA Annual Conference
Imagine the internet without Google…
Interoperability occurs when **information flows freely** across organizational, vendor and geographic barriers.
History

101

Computers

Networks

Internet

Domain Naming Service Invention

Web

From Connected To Discoverable

Web Portals

Web Browsers

ICANN (DNS central management)

Search Engines

Billing

Administration

Departmental

CDR/Portals/HIEs

Integrated EHR/CPOE

From Connected To Discoverable

Meaningful Use

NWHIN, eHealthExchange, Sequoia

CommonWell
National Health Data Exchange

Identity Management
Assist health IT suppliers to more quickly and accurately identify patients as they transition through care facilities.

Record Locator
Help providers locate and access their patients’ records, regardless of where the encounter occurred, by providing a “virtual table of contents” that documents available data from each encounter location.

Consent Management
Deliver a patient-authorized means to simplify management of data sharing consents and authorizations.

Trusted Data Access
Provide authentication and auditing services that facilitate trusted data sharing among member systems.
Farzad Mostashari challenge to the group: “you need to solve this problem yourselves”
Our Vision

We are an independent, not-for-profit trade association open to all HIT suppliers and others devoted to the simple notion:

+ That **health data should be available** to individuals and providers **regardless of where care occurs** and;

+ That **provider access to this data must be built-in** to HIT at a reasonable cost for use by a broad range of health care providers and the people they serve
CommonWell Health Alliance Members

Interoperability for the Common Good

70%+ of acute EHR
24%+ of ambulatory EHR

Market leaders in lab, long-term care, retail pharmacy and more

Founding
- Allscripts
- athenahealth
- Cerner
- Evident
- Greenway
- McKesson
- sunquest

Contributor
- aprima
- brightree
- CareCloud
- CVS Caremark
- kareo
- MacPractice
- MEDITECH

General
- BeyondMed
- Caremerge
- CitiusTech
- Influence Health
- Mt. Bc
- MiHIN
- OBIX
- OmniSYS
- PeriGen
- PointClickCare
- RelayHealth
- T-HSA
- THE SYSTEM
- The WELLcentive
- Variance medical systems

Source: SK&A, a Cegedim Company and KLAS
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Initial Service Provider

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CommonWell Health Alliance for Record Location and Retrieval

CommonWell Services

- Consent Management
- Identity Management
- Record Locator
- Document Query
- Document Retrieval

Trusted Data Access
Each party that connects is connected to all parties...

- Quickly and easily allows each organization to:
  - + Join
  - + Enroll Patients
  - + Contribute
  - + Discover
Math - 101
Making Handshakes - Point to Point, Hub(s) and Network

Triangular Number is:

\[ n \times (n-1)/2 \]

For:
- 4 \: the result is: 6
- 9 \: the result is: 36
- 50 \: the result is: 1225
- 230 \: the result is: 26335

- How many connections are made per state?
- Is everyone in at least one aggregation?
- Can the HIEs talk to each other?
- Will state laws even allow this?
Enrollment in 1-Click

CommonWell Services

+ Identity Management
+ Record Locator
+ Consent Management
+ Document Query
+ Document Retrieval
...and
+ Update Health Record

Identity Matching:
  • Probabilistic matching on patient demographics
  • Advanced search by strong identifier if not located
Outside Records Discovered

CommonWell Services

+ Identity Management
+ Record Locator
+ Document Retrieval

...and
+ Update Health Record
Together we can accomplish great things