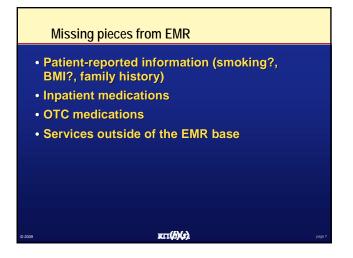
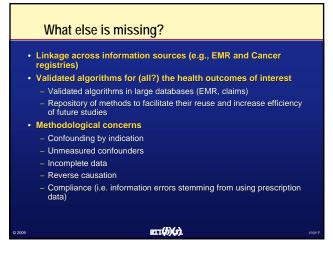




ETT(b)(s).





#### Near-term

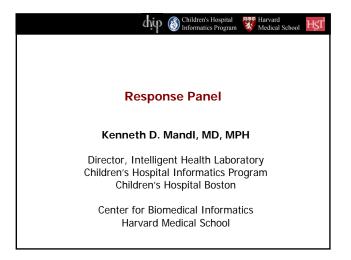
 Facilitate: "ad hoc requests for targeted surveillance of selected events that emerge at some time after initial marketing, and routine surveillance of newly marketed products for a specified number of targeted events of interest."

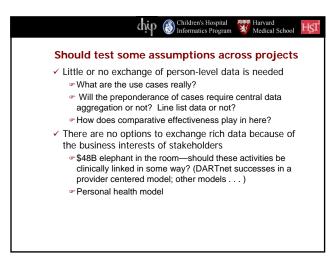
H11(b)(s).

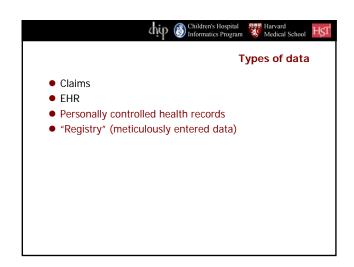
# Longer-term

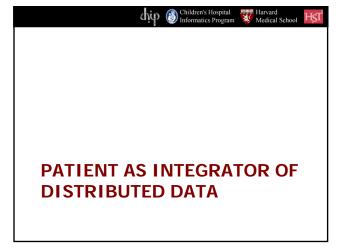
- Linkage with other databases (e.g., cancer registries)
- Improve data coverage and continuity
- Improve quality of data EA wish list
  - Distinguish between actual diagnosis and rule outCapture LMP!
- Supplement with patient-reported information
- Improve methods for identifying outcomes and making comparisons

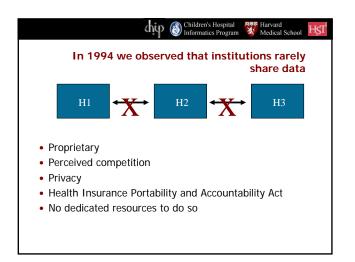
RTT(6)(s).

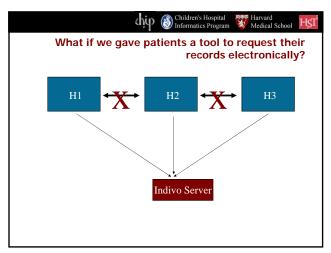


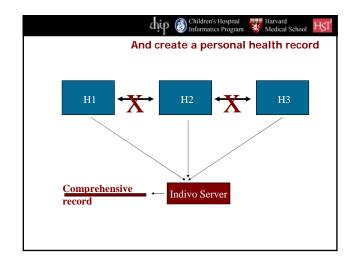


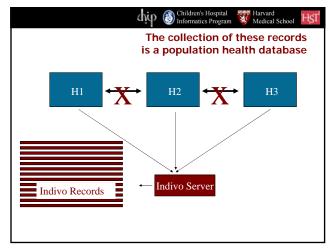


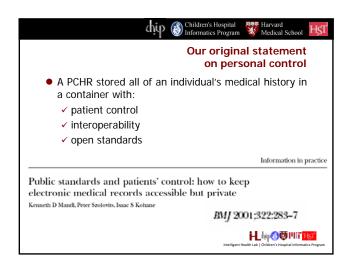


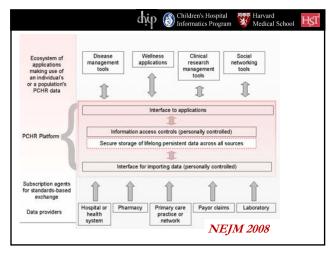


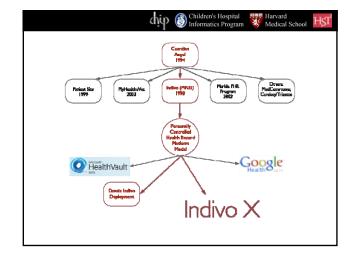


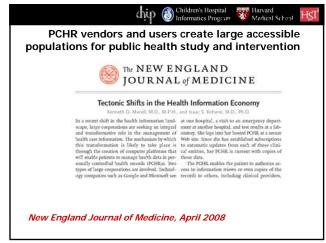


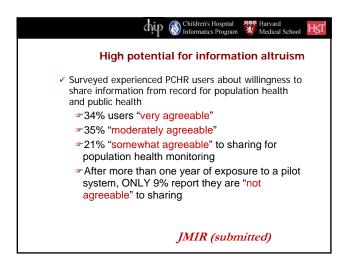


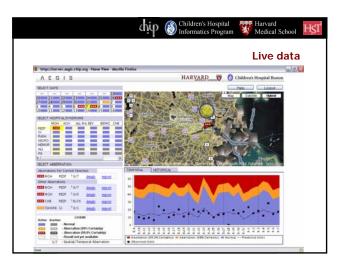


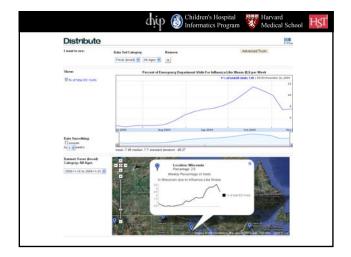




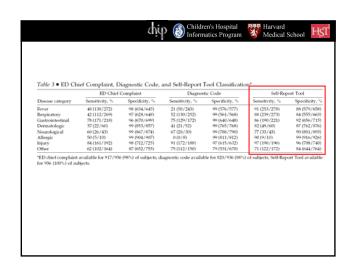


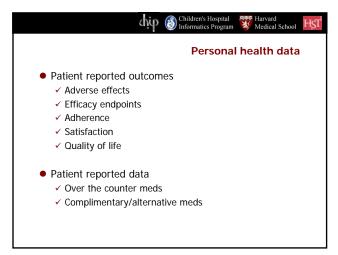




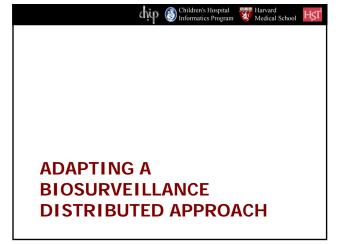


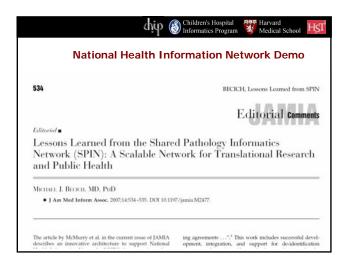








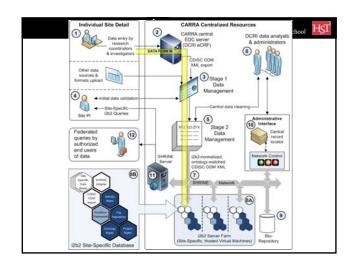


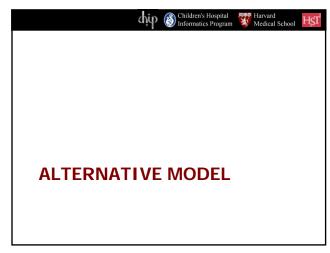




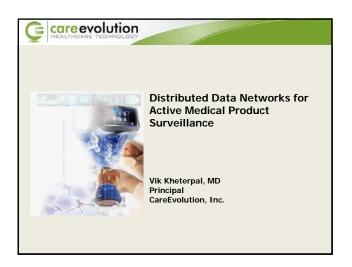


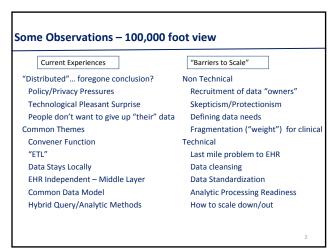




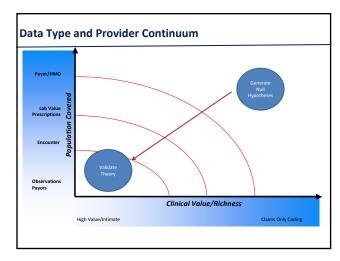


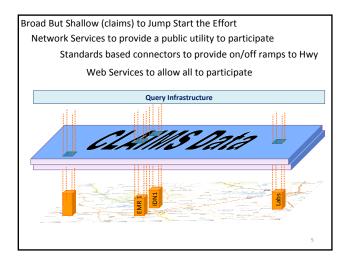


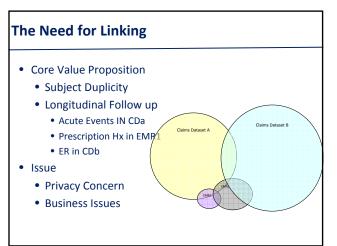












#### **Privacy Protecting Linking**

- Just as the Bank does not know the contents of the safety deposit box, with Crypto-RLS you can provide linking without even KNOWING the contents
- 2. No risk in managing entire regional population
- 3. No clinical data centralization
- 4. Protects from
  - Internal threats
  - Disgruntled employees
  - External hacks
  - Inadvertent loss (theft, backup distribution)
- 5. Web Services provide a "catcher-pitcher" handoff

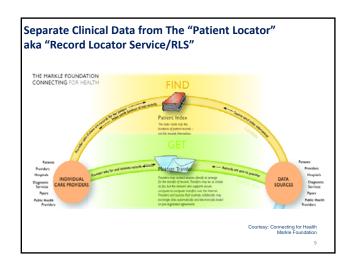
## Separate the Two Questions:

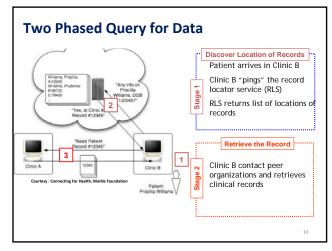
"Where are records for Patient X"
"How can I get Them?"

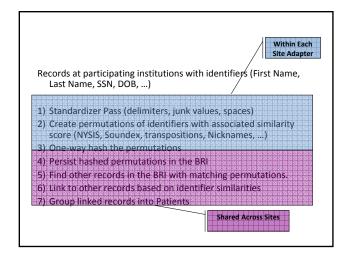
Follow CfH, HITSP/CCHIT, & NHIN
Standards – so the <u>n</u>etwork wll be
interoperable, privacy protecting, and
scaleable...for other uses

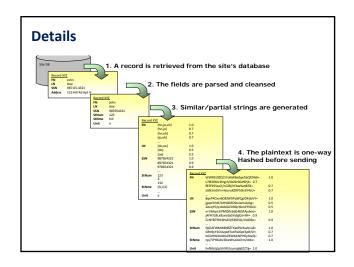
Courtesy: Connecting for Health Markle Foundation

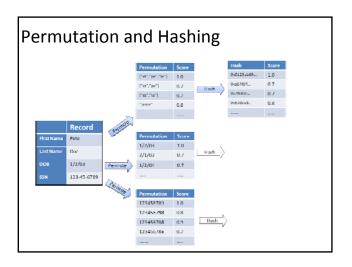
BUUI

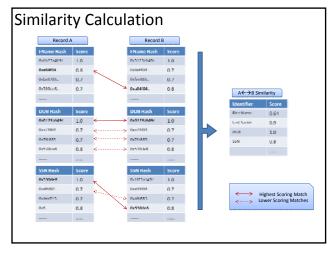


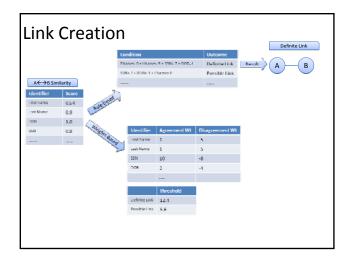














## **MPOG Members**

- University of Michigan (Coordinating center) -- Centricity
- Childrens Hospital of Philadelphia Compurecord
- University of Pennsylvania -- DocuSys
- University of California at San Francisco -- Picis
- Columbia University Compurecord
- Mt Sinai NY Compurecord
- Massachusetts General Hospital -- iMDSoft
- Vanderbilt University -- Acuitec
- Thomas Jefferson University Drager
- Univ of Miami -- Picis
- 25 others

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# "Applications" completed

- Death database lookup
  - Application to convert SSN to one-way hashed code
  - Updated to use SHA-2 hashing algorithm
  - Pings central MPOG server for vital status
  - 3<sup>rd</sup> party tool, to be licensed
- RxNorm categorization of preop medications
  - Maps to key med categories: beta blocker, insulin, oral hypoglycemic, ACE / ARB
  - Occurs centralized after upload
  - 3<sup>rd</sup> party tool, to be licensed

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#### Recommendations

- Spawn distributed "blindfolded" linkage pilots
- Study scale of the "overlap" and "missed" signal problem without record linkage
- Utilize early experience to inform a multi-year roadmap for Active Surveillance
- Determine a data type to research question stratification model