INTEROPERABILITY WILL <u>NOT</u> WORK…

…if we can only accurately match patients to their records 95% of the time

April 13, 2015

GPII Team

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- Physician with 42 years' experience in medical informatics.

- Washington University, Digital Equipment Corporation, First Data Corporation, Sunquest, Gartner, ASTM

GPII Team

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- 28 years experience in healthcare consulting, laboratory systems, cancer therapy, electronic healthcare records
- Elekta Inc., Triple G, Sunquest, Healthvision

Meeting Objectives

- Awareness
    - Problem
    - Solution
- Discuss alternative solutions
    - Pro and cons
- Define a plan of action
    - What specifically can move a solution forward?
    - Who needs to be involved?
    - Follow up

Patient Matching

Do You Know Who's Who in Your EHR?

Beth Just, President, Just Associates
Karen Proffitt, VP, Just Associates

"Overlay and duplicate records pose a particularly insidious problem today for healthcare organizations"

EMPI Patient Matching

- Uses available PII
- Outcome is a probability
- Different algorithms
- High error rate
- Labor intensive – costly
- Cannot be perfected without a fundamental change

EMPI Patient Matching

- Data is the problem
    - PII changes
    - Data entry errors
    - Similar PII causes "collisions"

- Why not use SSN to identify patients?

- Why not use biometrics?

- ONC / HIMSS have initiated a study

Deaths / Breaches / Cost

Healthcare IT News

HOSPITAL SAFETY SCORE®

Third leading cause of death

ECRI Institute

Top 10 Patient Safety Concerns

MEDCITY News

Anthem reminds us:
Patient ID a good idea

PubMed.gov

In 2008, medical errors cost $19.5 billion

Russ Branzell, CEO, CHIME, "Mad as hell"

Ensure 100% Accuracy

The Challenge
Ensure 100% accuracy of every patient's health info to reduce preventable medical errors and eliminate unnecessary hospital costs/resources.

Stage
The challenge is in the Pre Registration Stage

Total Prize Amount
$1,000,000

★ Follow Challenge

NATIONAL PATIENT **ID** CHALLENGE

the quest for a universal solution

CHIME

created by
CHIME

Share f 🐦 in g+

Privacy / Patient Trust

First real-world trial of impact of patient-controlled access to electronic medical records December 16, 2014

Lucia Savage, CPO, ONC
"Patient-centered decision making in electronic health information exchange can inspire trust in health IT"

CIOs, You Wish

HealthData Management   December 1, 2014

"When we asked HIT execs what's on their wish list for next year, they shot for the stars:"

- Industry interoperability
- National Patient Identifier

CIOs, You Wish

HealthData Management

December 1, 2014

Randy McCleese, CIO St. Claire Regional Medical Center, Morehead, KY

"Wishing for interoperability and an NPI is really a single thought, since interoperability can never truly happen without the identifier"

Introducing *<prTag>*

- ***<prTag>*** is a fundamental change that enables EMPI matching to achieve 100% accuracy
- ***<prTag>*** is a healthcare specific, globally unique data element
- ***<prTag>*** addresses all problems and challenges mentioned earlier
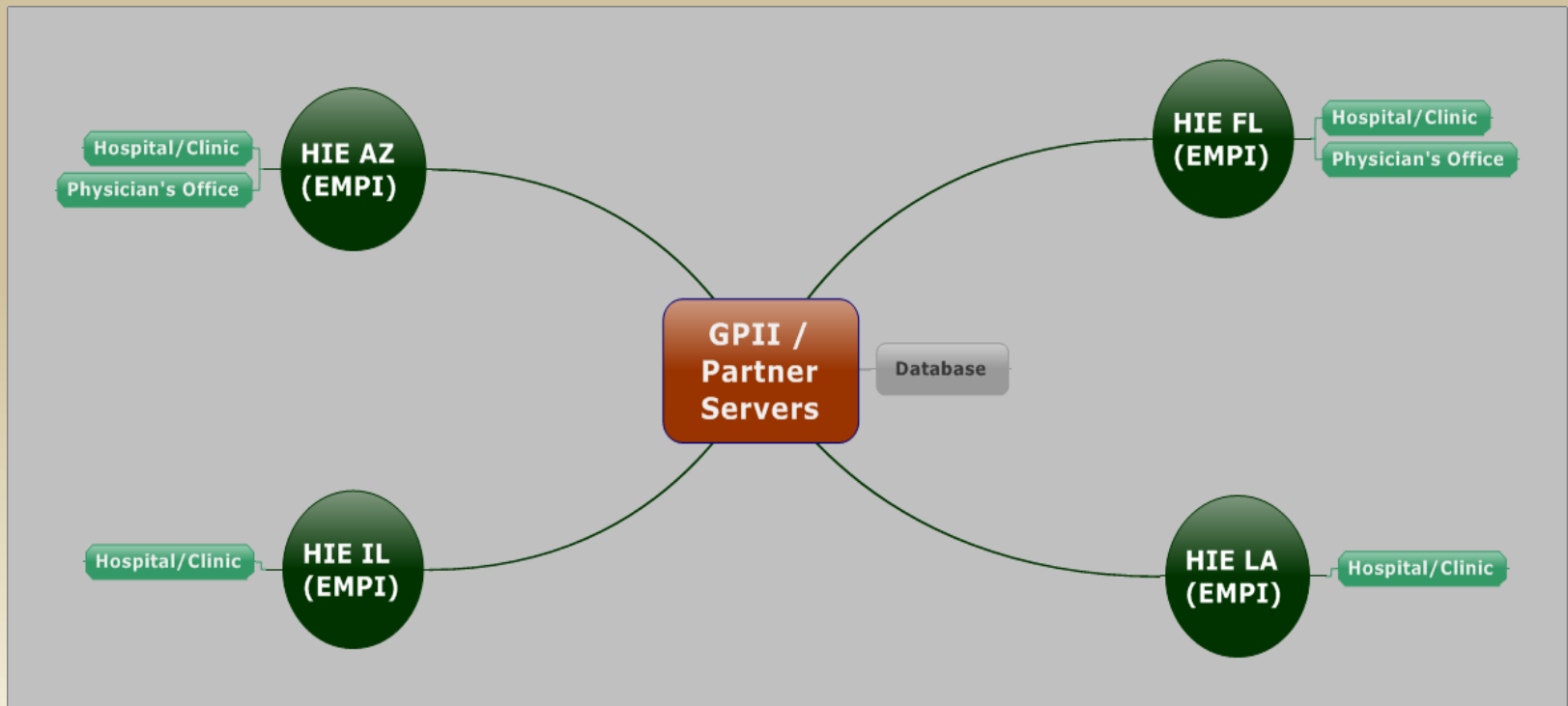 - 100% accurate
  - Empowers the patient
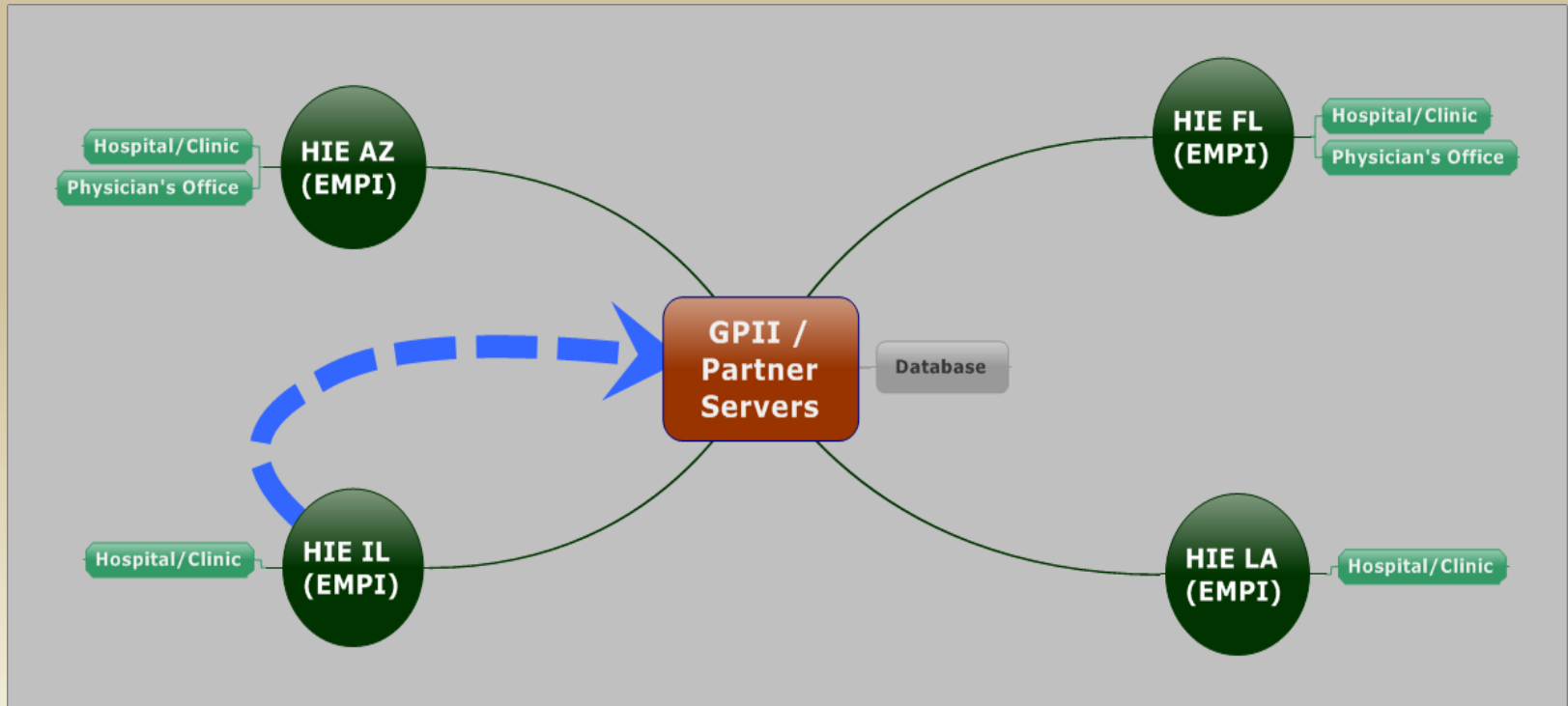 - Replaceable

How *<prTag>* Works

- Issuance
  - Patient or provider requests a *<prTag>*
  - GPII generates a *<prTag>* anonymously
  - *<prTag>* is stored in patient's EMPI profile
  - Patient is issued a token
- Use
  - EMPI provides the link to facility-specific identifiers
  - GPII sees and stores no PII
  - Patient uses *<prTag>* for encounters across all facilities
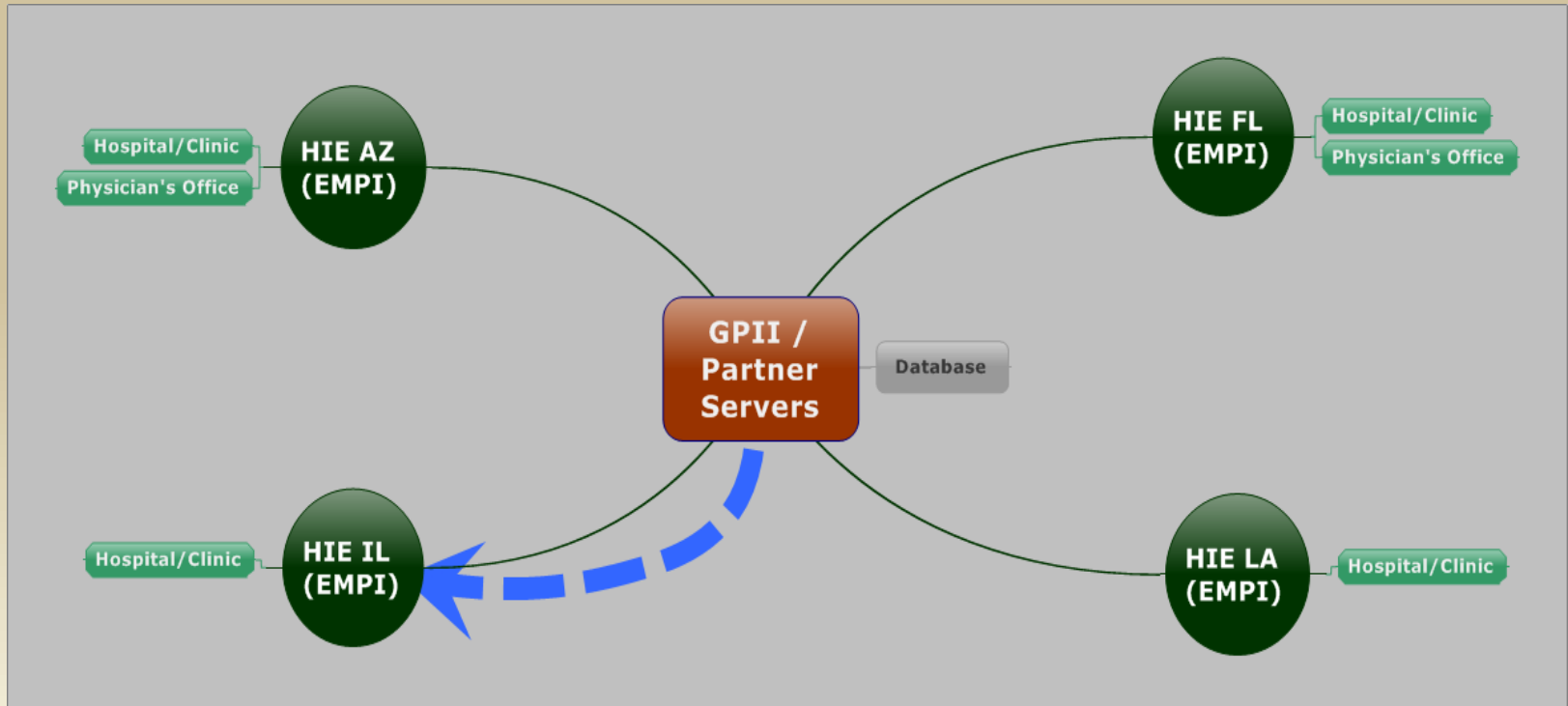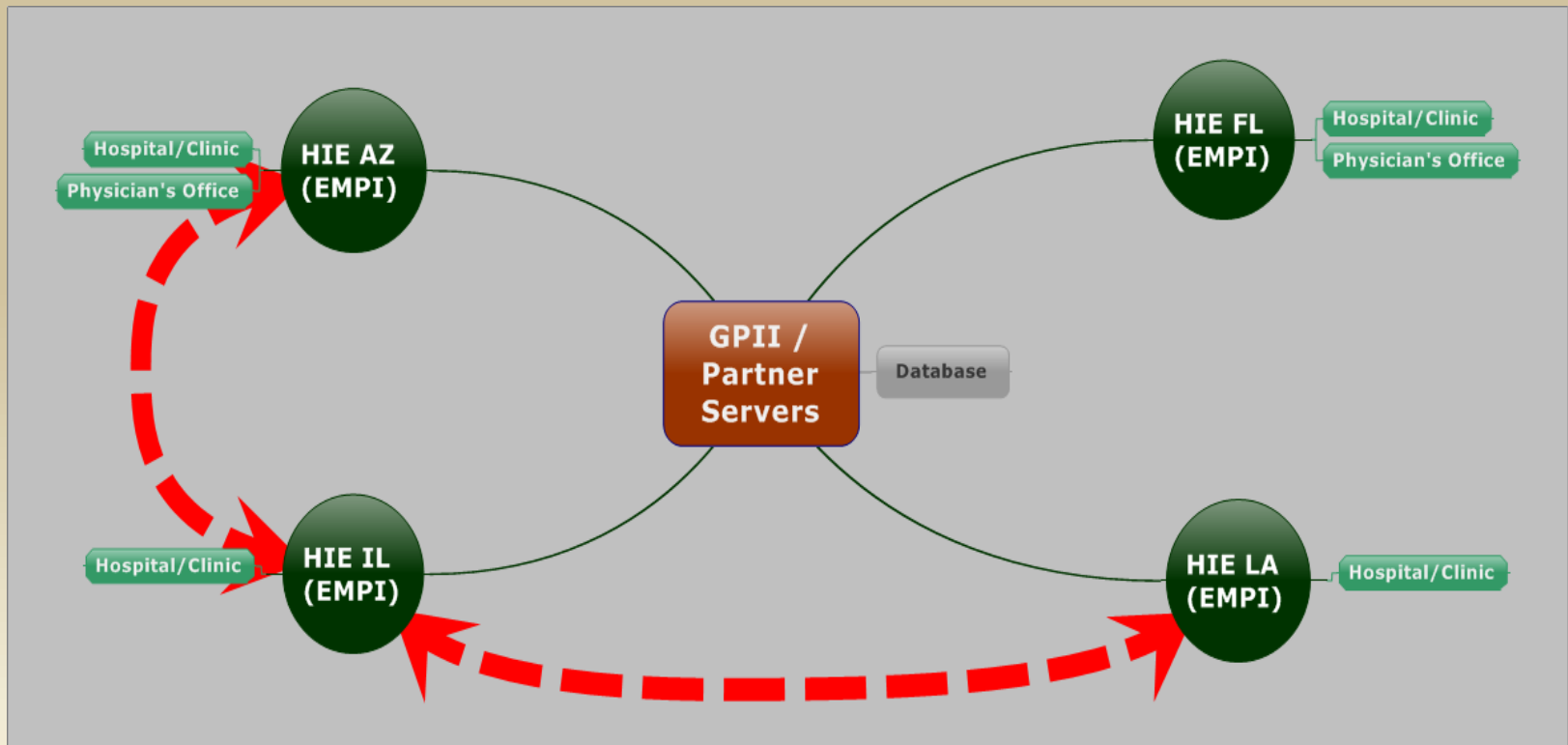
Interoperability

Interoperability

Interoperability

Interoperability

<prTag> Protects Patient Privacy

John Q Public

18563823043.27145728

This *<prTag>* is issued by ABC Healthcare to accurately identify the health record for this individual. Use this *<prTag>* for each encounter to ensure your open health record is accurately maintained.
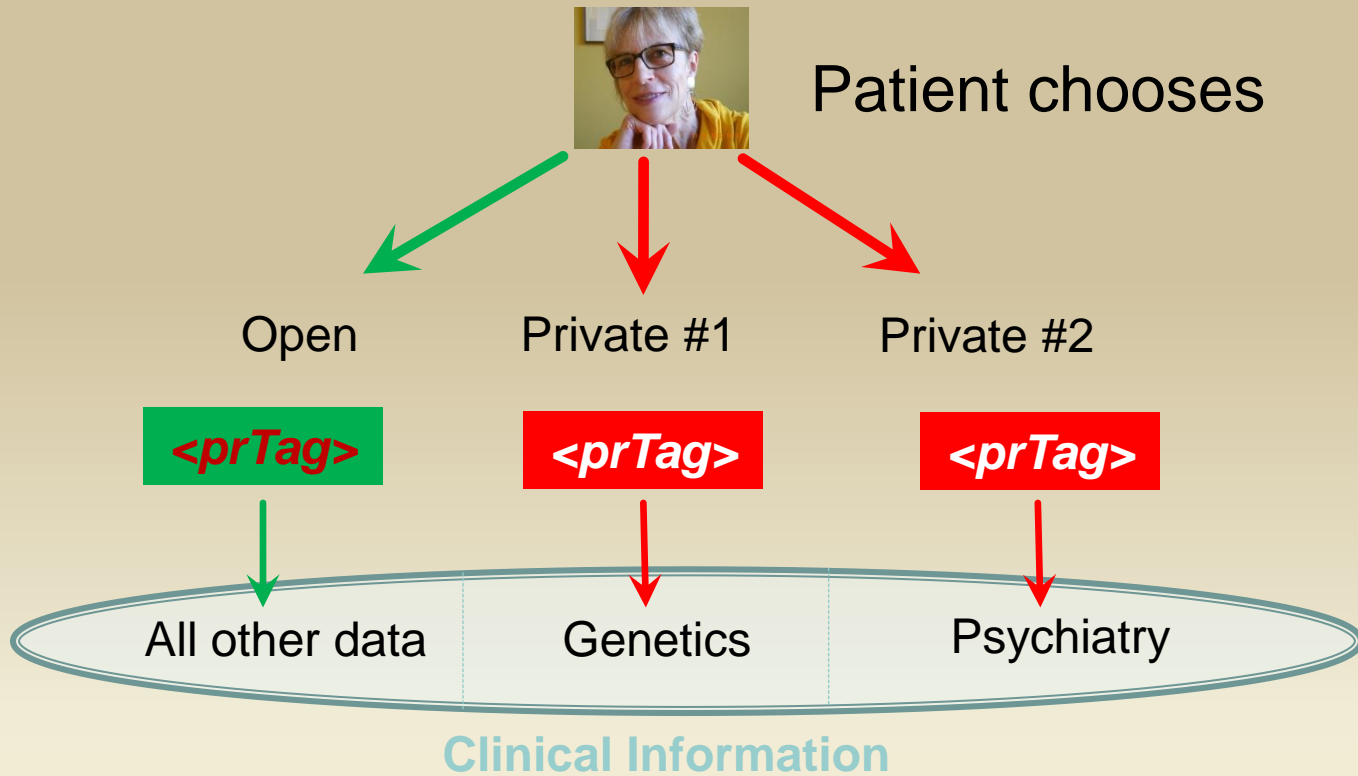

Enter appropriate reminder here

83673447252.1172853407

This *<prTag>* is issued by ABC Healthcare to accurately identify private health information for this individual. Use this *<prTag>* for an episode for which you want to control access to your private health information.

- Open *<prTag>*

- Private *<prTag>*
- Patient chooses
- Anonymity preserved

Patient Empowerment

Patient chooses

Open   Private #1   Private #2

<prTag>   *<prTag>*   *<prTag>*

All other data   Genetics   Psychiatry

Clinical Information

<prTag> - Fraud & Identity Theft

- *<prTags>* are:
  - Counterfeit resistant
  - Anonymous
  - Replaceable
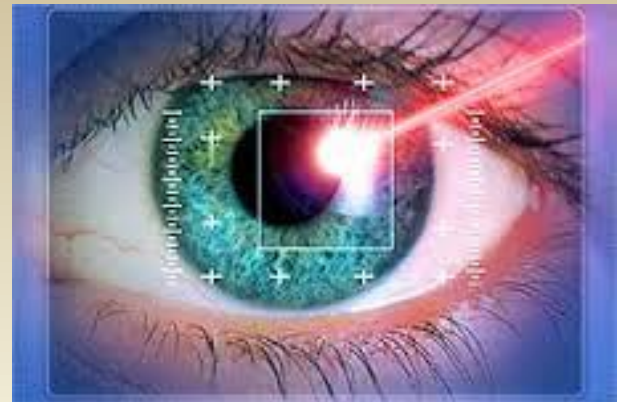 - Credit card model

"Place your *<prTag>* at risk, not your identity"

Why Not Use Biometrics?

- Biometrics are very valuable for authentication
- *<prTags>* and biometrics work well together

However
- Patient must be present
- Cannot be changed
- Costly
- Privacy?

Comprehensive 2008 Study

"Broad adoption of a UPI should enhance the U.S. Health Care System

A Hybrid System … will be necessary for the foreseeable future

Security and Privacy could be strengthened with a UPI

Costs of a UPI are significant, but probably much less than the value associated with error reduction, efficiency and interconnectivity of the Health Care System"

INTEROPERABILITY WILL WORK...

...if we supplement existing EMPI systems with *<prTag>* capability