



# *Joining the ILHIE: Large Hospitals and Medical Groups*

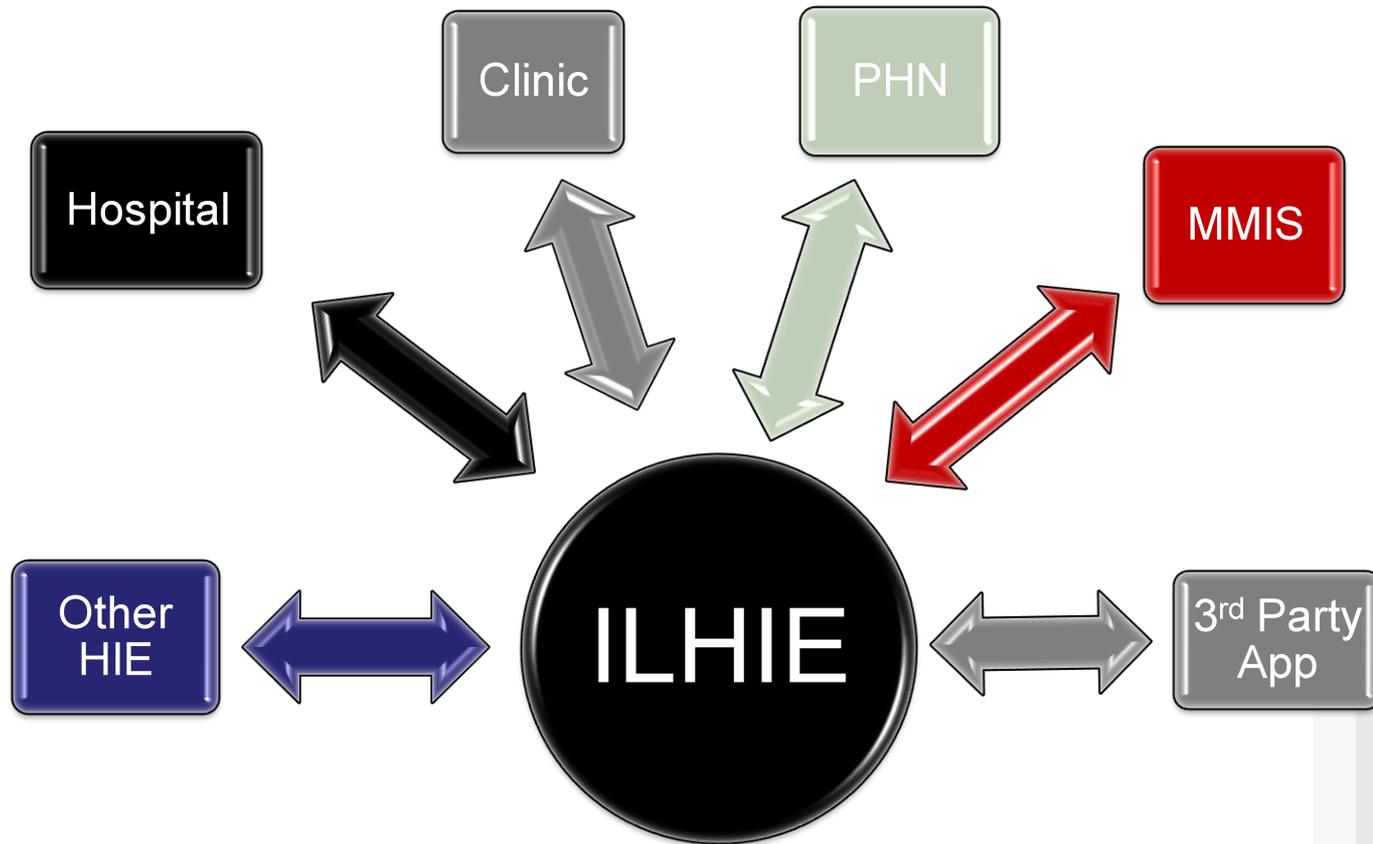
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CTO, ILHIE



# What does ILHIE offer?

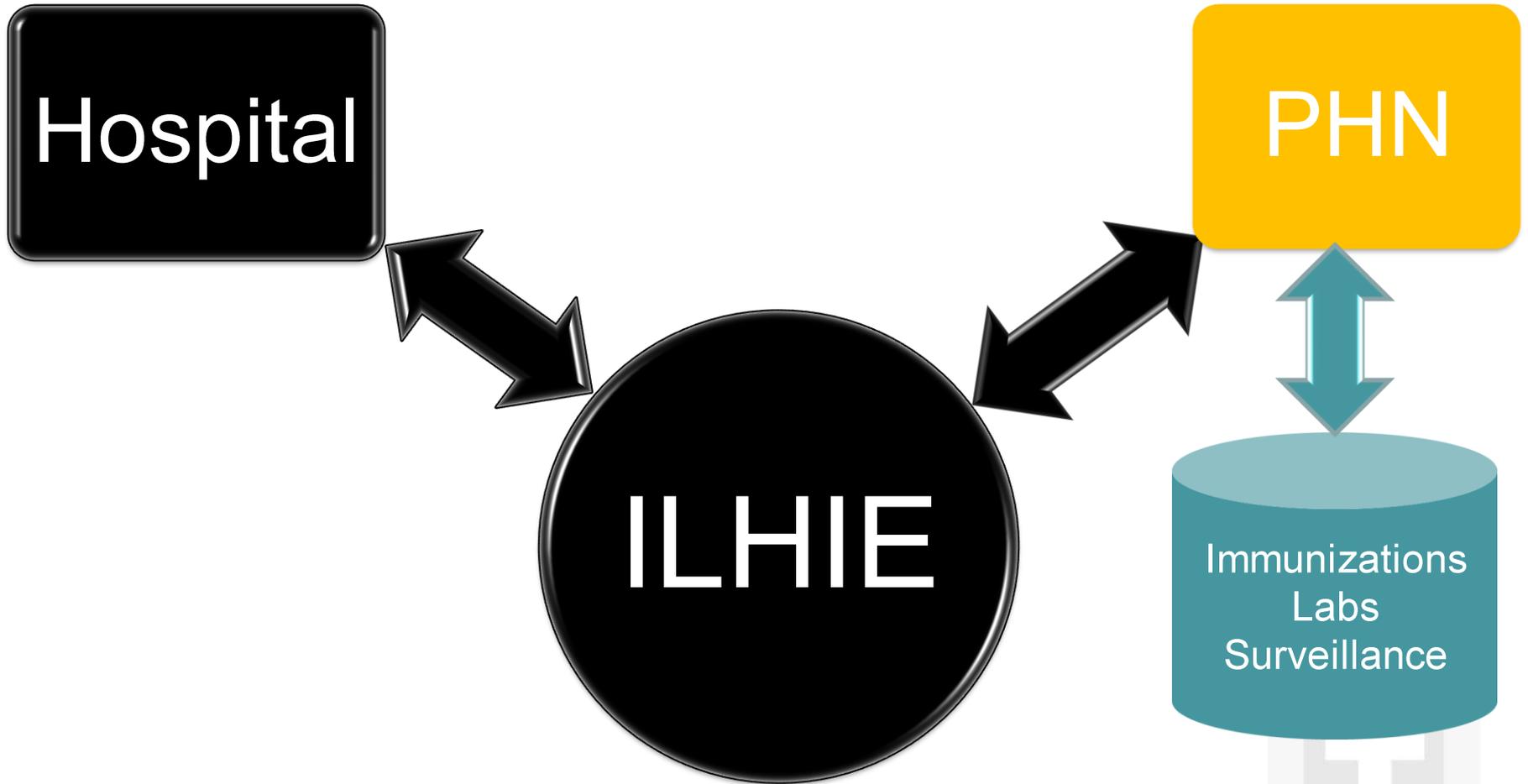
- ILHIE Direct, Secure messaging
- Statewide Directories/Registries
  - Master Patient (Person) Index (MPI)
  - Provider Directory
  - Public Health Node
- Medical Record Aggregation
  - Gets all patient records available via statewide HIE
- Privacy, security & consent services
- Platform for service extensions
  - Opportunities for entrepreneurs

# ILHIE Participants



Connecting to ILHIE

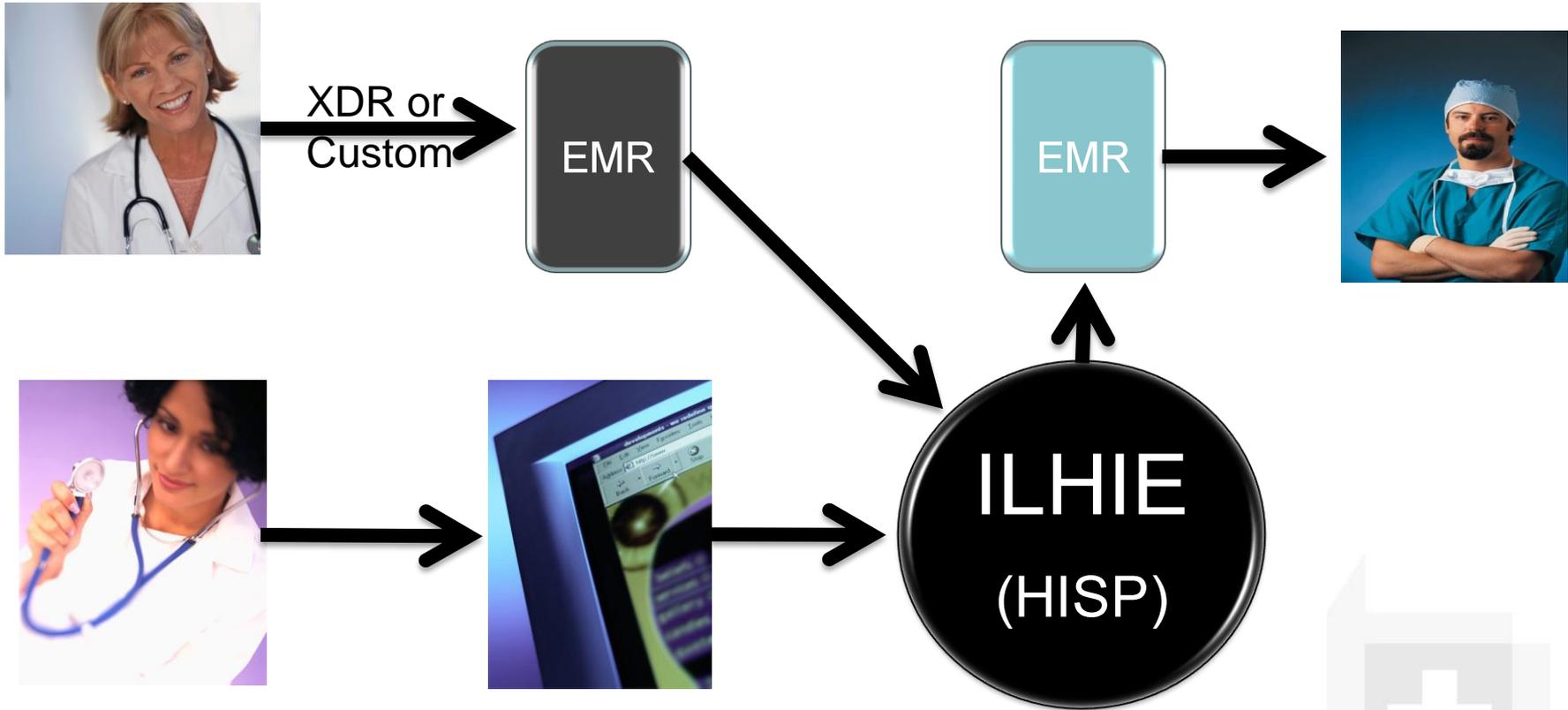
# Public Health Node (PHN)



- ILHIE Direct
- Bidirectional connections
  - MPI, XDS.b
  - XCA
- VPN
  - Public Health Node connectivity
  - HL7 ADT feeds



# ILHIE Direct Connectivity 1

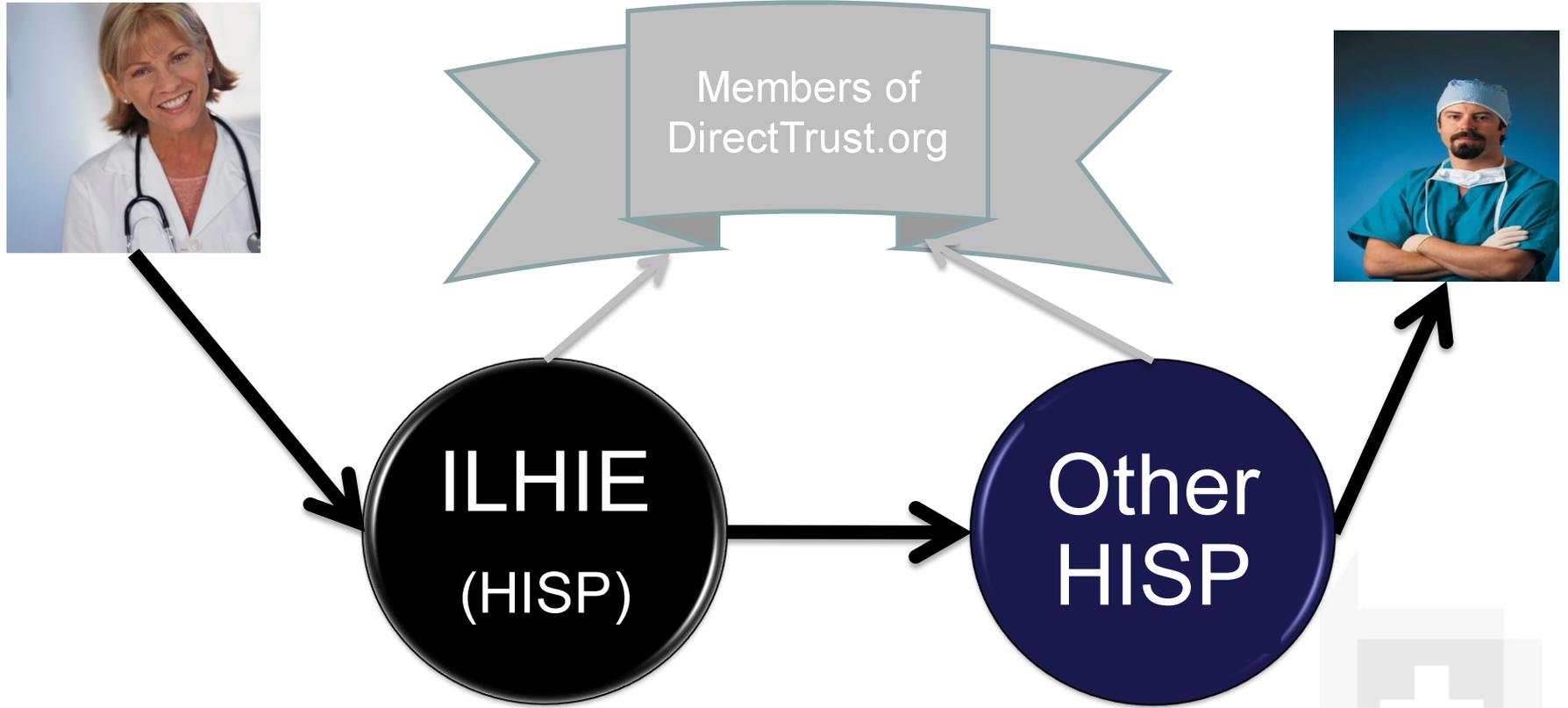


Web Portal

Connecting to ILHIE



# ILHIE Direct Connectivity 2



- For Web Portal
  - Internet Connectivity
- For EMR Integration
  - SAML Assertion capability from EMR
  - EMR has Direct integration feature or
  - EMR can integrate a web page or
  - System Integrator or technical staff
    - Knows the EMR API set
    - Knows Direct protocols



# Master Patient (Person) Index

- Based on a common set of fields
- Cross reference
  - Medical Record Number
  - Medicaid RIN (for those who have one)
  - Other references
- Use IHE PIX/PDQ for add, update & query
- Is the key repository for ILHIE

# Continuity of Care Document (CCD, C32)

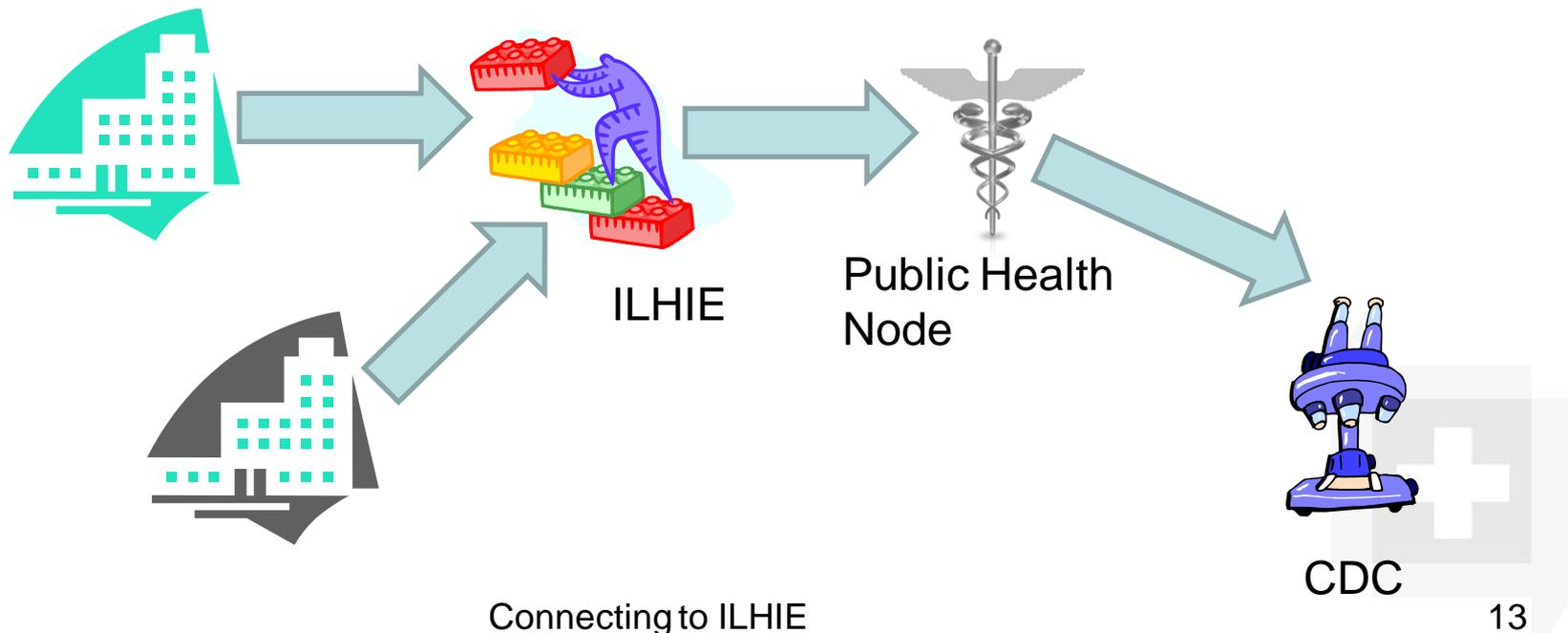
- Based on IHE standard
- Uses XDS.b for Hospital connections
- Must be compatible with NIST validator
- ILHIE will return an aggregated C32 on demand
  - All records known to the system will be aggregated
  - Sources will be identified
  - ILHIE does not retain records
- Consent management
  - Participation is all or nothing
  - ILHIE maintains an opt-out flag
  - Local EMR must manage opt-in (HIV, genetic tests, etc.)

- EMR that is compatible with IHE profiles
- Ability to work with ILHIE staff to:
  - Create MPI bulk upload
  - Create and test C32
  - Select use case
    - ER use case
    - Referral use case – needs ILHIE Direct
- OR
  - Must work with systems integrator to build/buy interface

# Steps for Bidirectional Onboard

- Data Sharing Agreement
- Use case selection
- Workflow integration
- MPI bulk load test
- MPI bulk load
- Test PIX/PDQ protocols
- C32/CCDA validation
- Full query test
- Production

- Provides access to a variety of services
  - Public Health Node access – Now
  - ADT feeds (notifications – Soon)
  - Access to other State services as available



## VPN/PHN steps

- Determine PHN services desired
- Data sharing agreement with IDPH
- Determine how to connect
  - VPN (best choice)
  - Secure FTP (SFTP)
  - Direct
- Establish and test connection
- Validate all functionality
- Cut over to production

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- Bi-directional connectivity
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