

# HIE Care Coordination Meeting

September 29, 2015



**Children's National**<sup>™</sup>

Children's IQ Network

Part of the Children's National Health System

# Children's Integrated Quality Network (CIQN)

- CIQN was launched in 2008 with the concept of interconnecting pediatric healthcare in our region
- Assist practices with EHR implementation and connect them to eEHX for data sharing



**Children's National**

Children's IQ Network

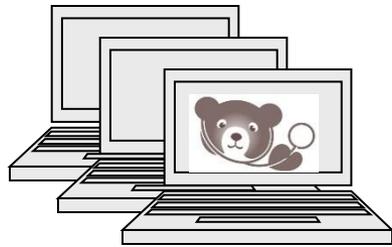
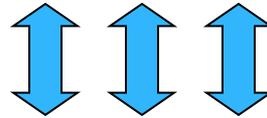
Part of the Children's National Health System

# CIQN Concept:

## REGIONAL DATA CONNECTIVITY



**CNMC IN-PT, ER & SPECIALTY CARE**



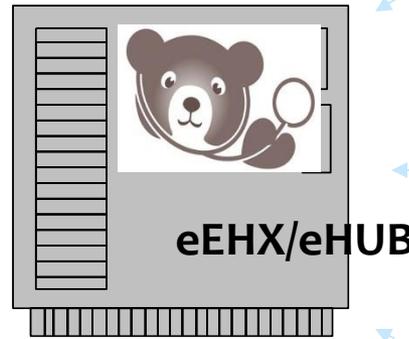
**CNHN EMR Practices**



**Children's Goldberg Center  
Community Health Centers**



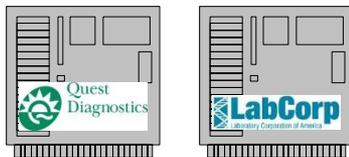
**Other EHR's & RHIO's**



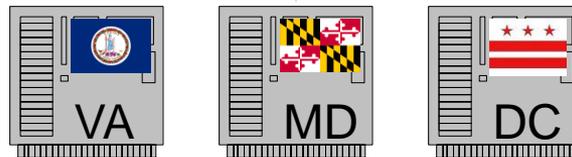
**eEHX/eHUB**



**Children's Mobile Health &  
Foster Care Programs**

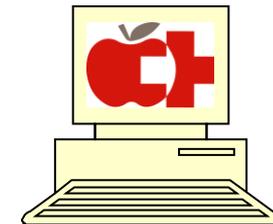


**LABS: Quest & LabCorp**



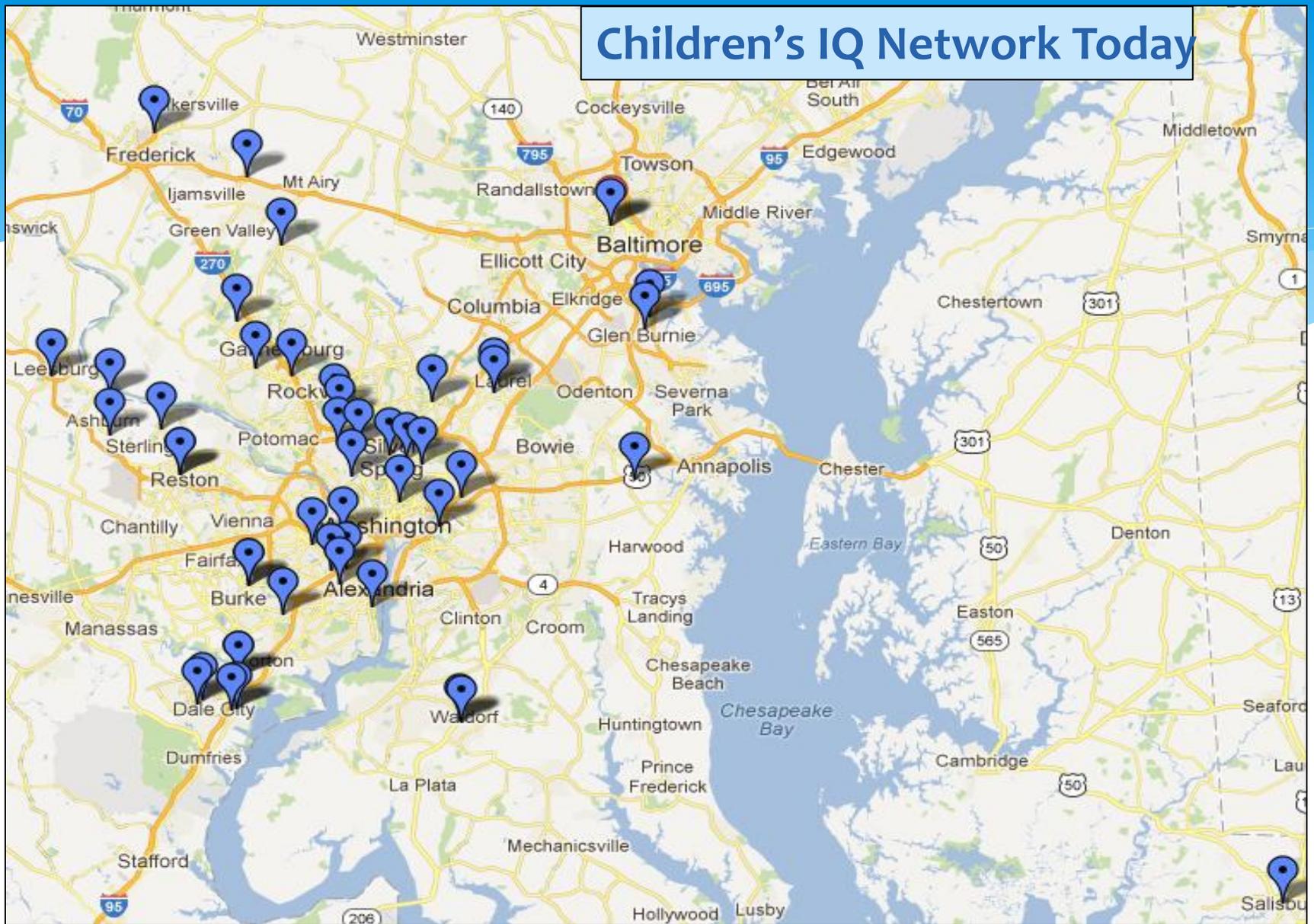
**State Registries**

**(Immunization & Newborn Screen)**



**Children's School Services**

## Children's IQ Network Today



**CIQN Independent Primary Care Pediatricians: 271**  
**60 practices, 75 locations**  
**Regional Pediatric Primary Care Providers: ~600**

**Employed Primary Care Pediatricians: 95**  
**Employed Specialists: 466**

# Data Sharing

# Practices connected to the eEHX

- \* 55 community practices sharing information
  - \* 28 Practices are located in MD including RightTime Urgent Care
  - \* 27 Practices are located in VA
- \* The Goldberg Center contributes data from WDC



Children's National™

Children's IQ Network

Part of the Children's National Health System

# CIQN eEHX

- \* Primarily a Pediatric HIE
- \* Approximately, 1.85 mil patients “opted-in” to eEHX
- \* CIQN has approximately 1 millions encounters per year



**Children's National**

Children's IQ Network

Part of the Children's National Health System

# Data Sharing

- \* Patient demographics
- \* eHS/CCD
- \* Documents from CNHS, PSV and community practices
- \* Lab/Radiology results
- \* Sensitive PHI blocked from eEHX (STD's, Drug/Alcohol Use, Mental Health)



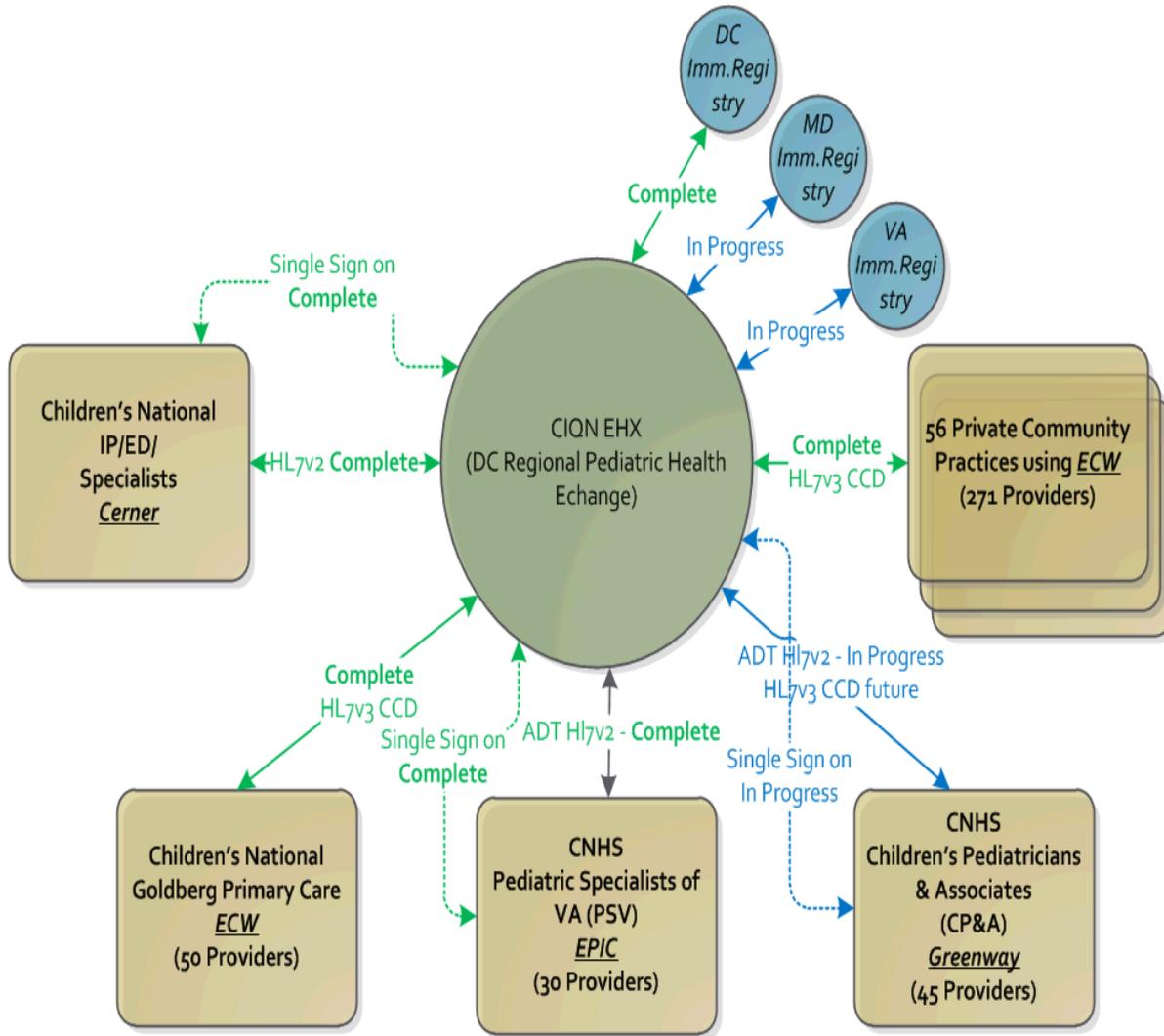
Children's National™

Children's IQ Network

Part of the Children's National Health System

# Current State

# Interoperability – Current State



## What's Working

- Seamless Integration for Goldberg and Community Practices w/ the EHX
- Single Sign On to EHX from EPIC and Cerner (avg. 1300 clicks per month)
- Over 2.5 million Children's National documents, labs and radiology reports shared via the eHX to date. @140,000 per month.
- @40,000 CCD records shared monthly from the Goldberg & Community Practices



Children's National™

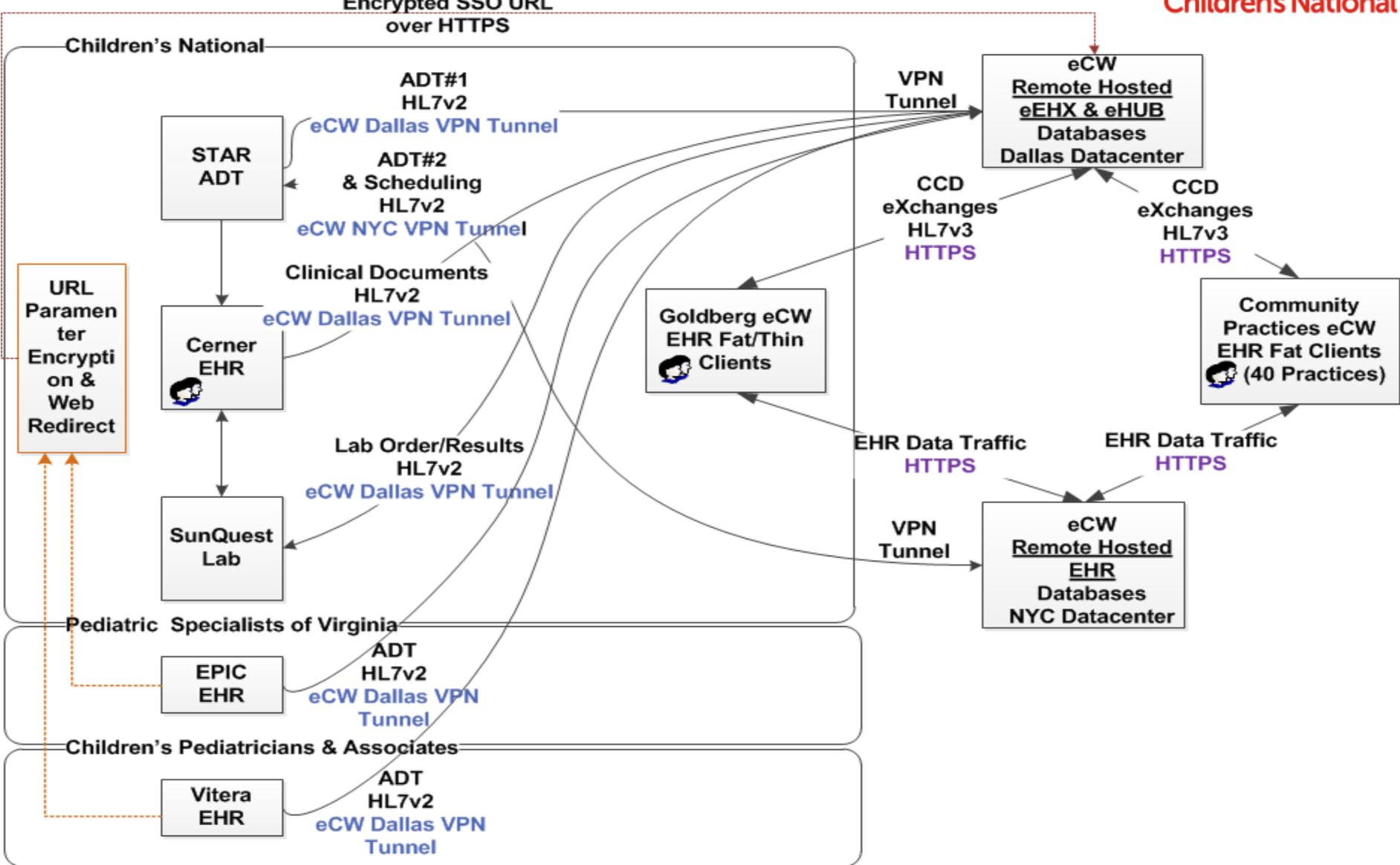
Children's IQ Network

Part of the Children's National Health System

# Children's National Health System/ CIQN – Data Flow Diagram



Children's National™



# Where Do We Go From Here?



**Children's National**<sup>™</sup>

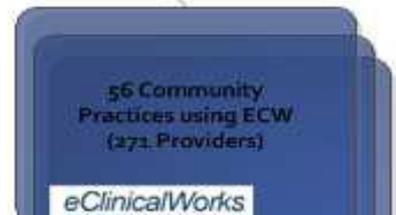
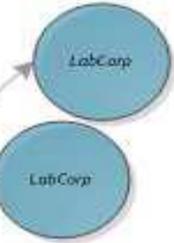
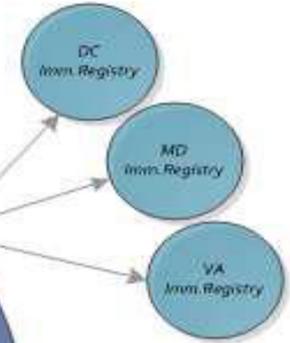
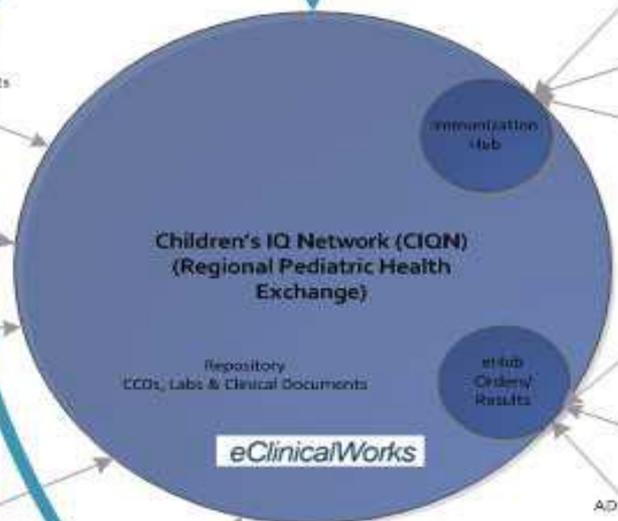
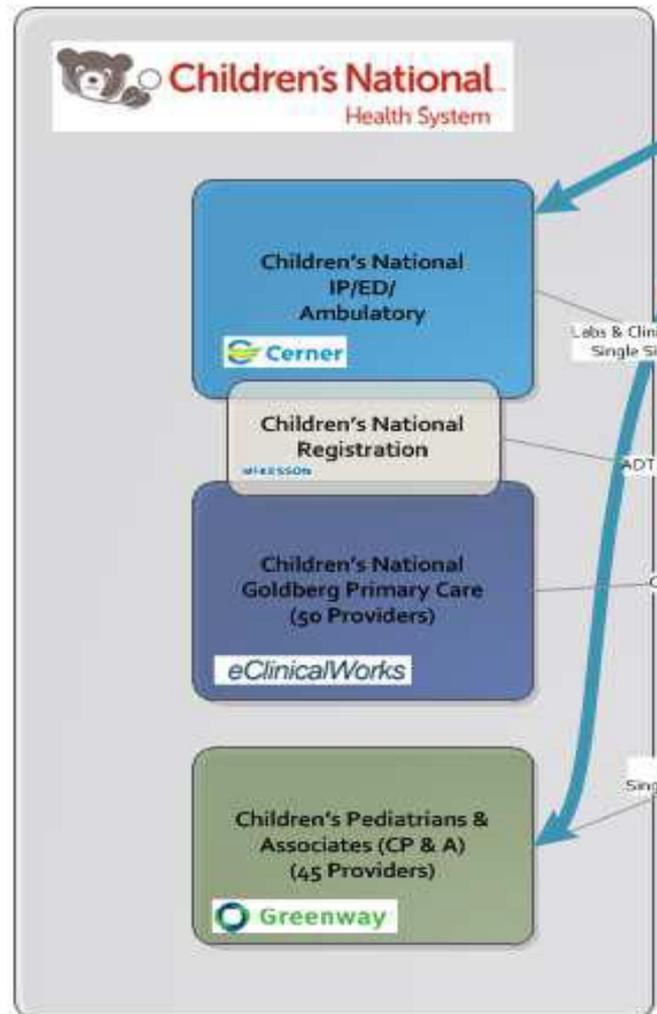
Children's IQ Network

Part of the Children's National Health System

↔  
Current State

↔  
Future State

- Cross-Community Access (XCA)
- Patient Demographics Query (PDQ)
- Patient Identifier Cross-Referencing (PIX)
- Cross-Enterprise Document Sharing (XDS.b)
- Cross-Community Patient Discovery (XCPD)



Labs & Clinical Documents  
Single Sign On Portal

ADT

CCD

ADT  
Single Sign On Portal

ADT  
Single Sign On Portal

ADT, CCD

# Enhanced Interoperability via Cerner Resonance

- \* Cerner Resonance – implementing this network connectivity for CNHS which will allow for patient and document discovery, data exchange, and data reconciliation from disparate systems
  - \* Cerner Millennium connect to Resonance
  - \* Resonance connect to eEHX
  - \* Resonance connect to CRISP
  - \* Establish CommonWell network connectivity



**Children's National**

Children's IQ Network

Part of the Children's National Health System

# Population Health

- \* Currently, numerous initiatives but localized
- \* Implementing Cerner Healthe Intent platform at organizational level as population health platform leading to data driven decision making:
  - \* Improved patient outcomes
  - \* Eventually improved reimbursement



Children's National™

Children's IQ Network

Part of the Children's National Health System

# Population Health

- \* Healthe Intent also has registry functionality and registries can be created based on clinical and financial data
- \* Allows for:
  - \* Risk Stratification
  - \* Quality Measurements
  - \* Scorecard Performance
  - \* Outreach



Children's National™

Children's IQ Network

Part of the Children's National Health System

# Priority Registries

- \* Patients with Medical Complexities
- \* Sickle Cell Disease
- \* Scoliosis Surgical Home
- \* Content developed by other partners



**Children's National**

Children's IQ Network

Part of the Children's National Health System

# Questions?



**Children's National**<sup>™</sup>

Children's IQ Network

Part of the Children's National Health System