

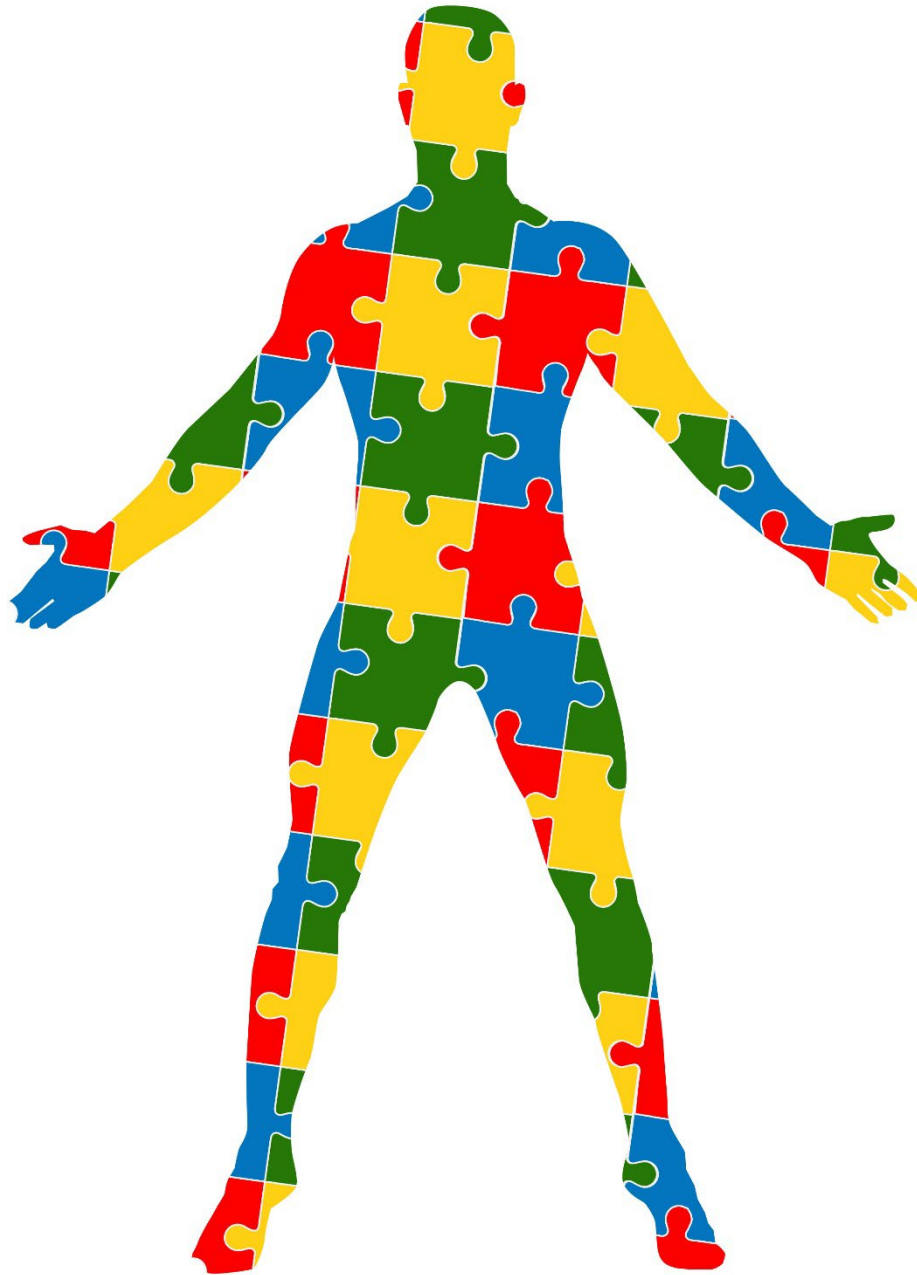


HIE VALUE FOR TEXAS

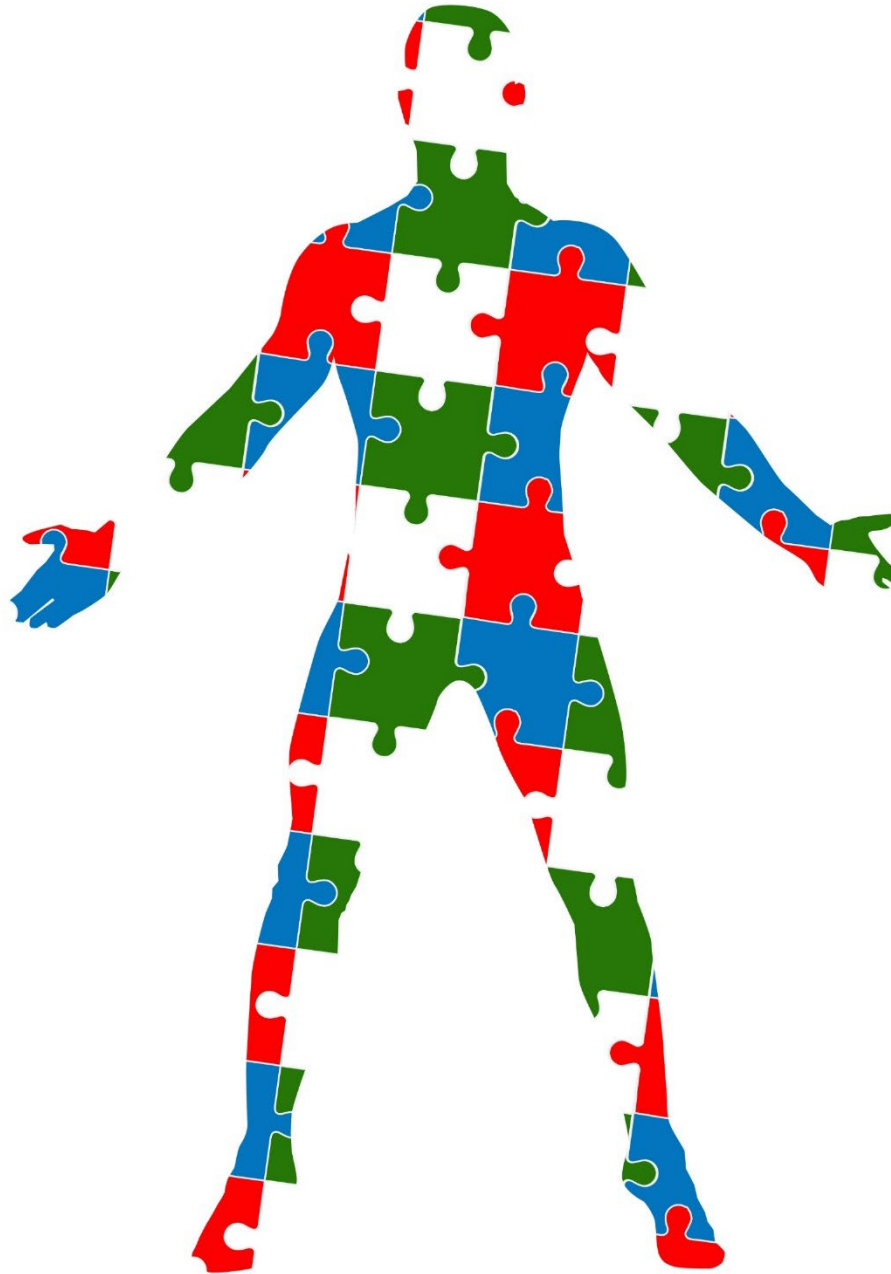
CONNECTED COLLABORATIVE COMMUNITY

What is HIE?

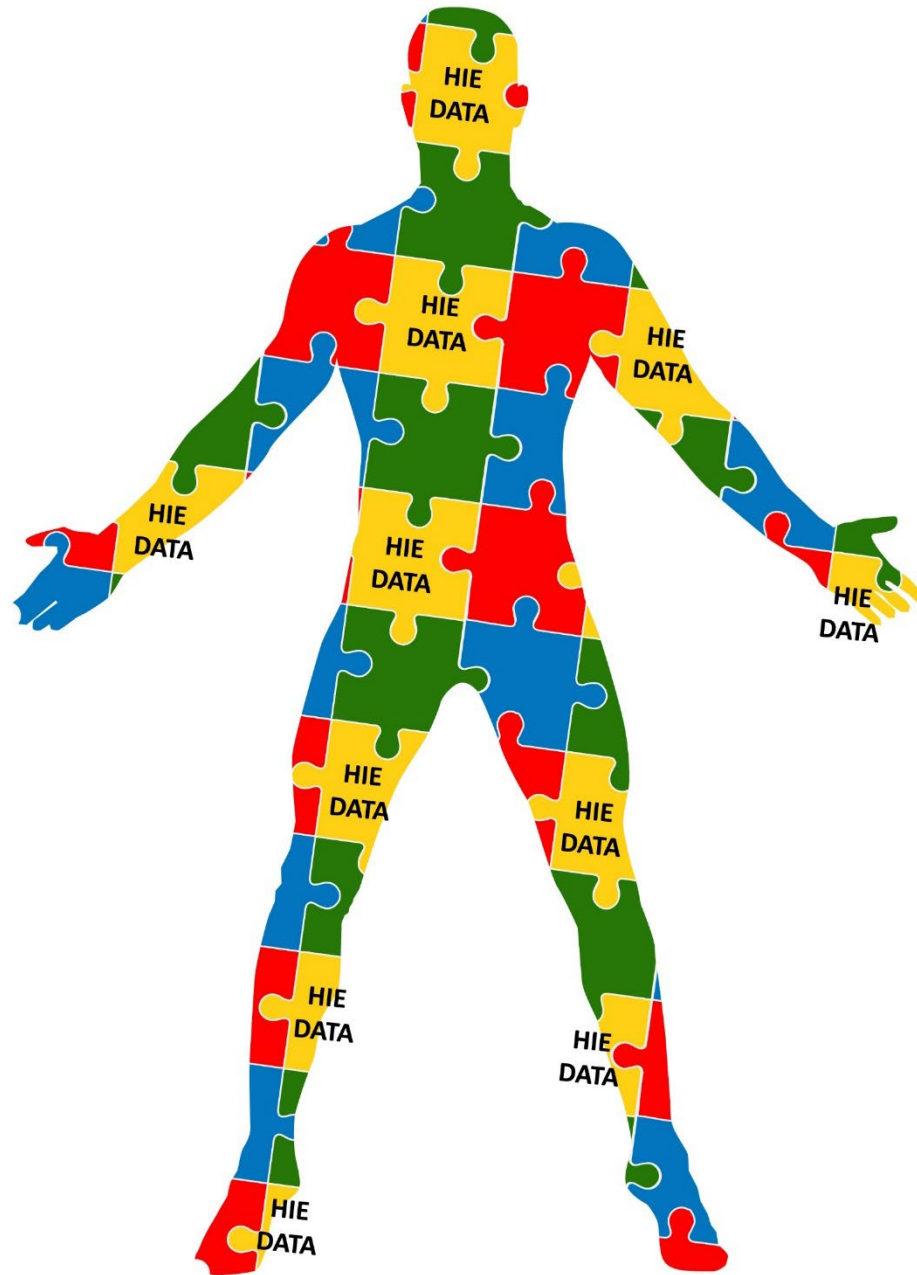
HIE IN A NUTSHELL



HIE IN A NUTSHELL



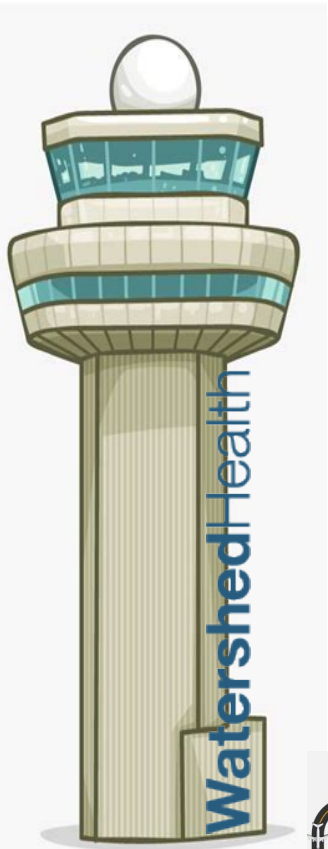
HIE IN A NUTSHELL



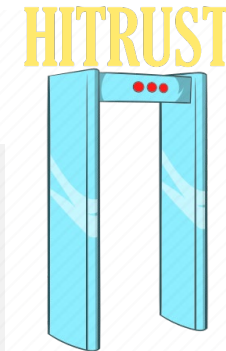
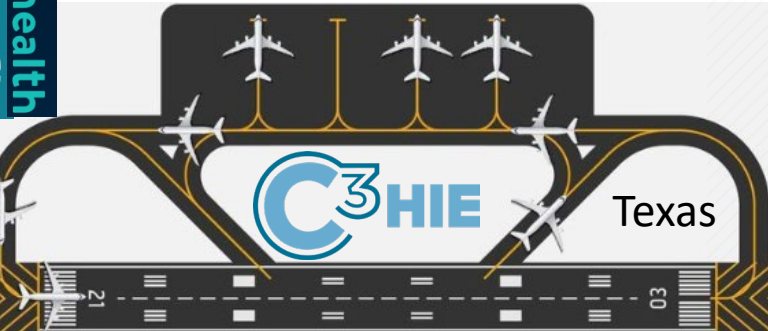
Because the **RIGHT** care
at the **RIGHT** time
requires the **BEST**
information possible.



Providing the Safest,
Most Efficient **Healthcare**
System in the World.



RPM





C3HIE

How C3 is connecting
providers/ payers/ public
health...

C3HIE Integration Capabilities

Stakeholders

Stakeholders

Data in

Intelligent processing

Format

Workflow integration

Encrypted transport



FHIR

Demographics

parse

CCDA

Clinical

normalize

HL7 V2

Claims

MPI

store

CSV

Environmental

analyze

deliver

json

Encrypted transport

FHIR

Electronic Health Record



CCDA

Private HIE



HL7 V2

BI Tools

Case Management Tools



CSV

Mobile Apps

API Integration



json

EHR, Business Intelligence, Pop Health Platforms

athenaNet

Calendar Patients Claims Financials Reports Quality Support

Garcia GABRIEL 29yo M 05-13-1986 #14447 E#14447

1

facesheet health history quality management

Allergies / Adverse Reactions
BEE POLLEN: Diarrhea (Mild)

Social History
Smoking Status: Never smoker
Smoker (1 PPW)
Tobacco-years of use: 2

Clinical Documents
10:58 PM Ambulatory Summary - Roberta Gonzales - Welville Primary Care REVIEW

Documents to Download
10/15/2015 Ambulatory Summary - Roberta Gonzales - Welville Primary Care CommonWell
10/15/2015 Ambulatory Summary - Samuel Taylor - Taylor Orthopedics CommonWell
10/15/2015 Ambulatory Summary - Victoria Tremblant - Welville Endocrine Specialists CommonWell

2

facesheet health history quality management reconciliation Clinical Document #96330

Ambulatory Summary - Roberta Gonzales - Welville Primary Care in REVIEW

Allergies
Name: Penicillins Reaction: Angioedema
Name: Penicillins Reaction: Headache

Medications
Name: amoxicillin 500 mg tablet
Take 5 mg every 2 hours by oral route.
Name: atorvastatin 25 mg tablet
Take 50 mg every 2 hours by oral route.

3

Expand all Collapse all

Allergies / Adverse Reactions 2 items require action Update Chart

Medications 3 items require action Update Chart

Problems 3 items require action Update Chart

Vaccines 2 items require action Update Chart

Search

Period: TY August 2022 CENTERS: All Centers RENDERING PROVIDERS: All Rendering Provid...

Filter Update

Social Needs Assessed
82%

Needs Assessed Trend
3,265
2,612
1,959
1,306
653
TY 3Q2 TY 4Q2 TY 5Q2 TY 6Q2 TY 7Q2 TY 8Q2

Core +1 Assessed
32%

Housing & Income
1,720
1,376
1,032
688
344
PRO-SDO HOMELESS HOUSING

Personal Characteristics
2,546
2,036
1,527
1,018
509
HISPANIC LANGUAGE RACE

>12 SDOH
390
The number of patients with SDOH is 390.

SDOH Count Distribution
2,191
1,714
876
438
FOOD MATERIAL SECURITY MED-CARE PHONE RENT-UNEMPLOYED UTILITY

Material Security
2,191
1,714
876
438
FOOD MATERIAL SECURITY MED-CARE PHONE RENT-UNEMPLOYED UTILITY

Violence & Stress
1,673
1,340
1,005
670
335
SAFETY STRESS VIOLENCE

Migrant-Incar-Refugee (Situational)
2,158
1,728
1,296
864
432
MIGRANT

Transportation & Isolation
1,674
1,340
1,005
670
335
ISOLATION TRANSPORT-HELD TRANSPORT-UNEMPLOYED

Education & Employment
2,480
1,984
1,488
992
496
EDU EMPLOYMENT

Insurance
No data available

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File Patient Schedule EMR Billing Reports CCD Fax ePayment Tools Community Meaningful Use Lock Help

eClinicalWorks

Admin Practice

Progress Patient Documents

Import Documents All Labs Scanned Documents Medical Summary PHR

Import to EMR

Document Name Creation Date Document Type

12/13/2018 03/13/2019 Documents 1 to 1 of 1

Name	Dates	Details	Sending Facility
Auto	2018-10-29 14:17	Type: UMLS; Value: C1441488; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
Fam	2018-10-29 14:17	Type: UMLS; Value: C0060056; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
auscultation	2018-10-29 14:17	Type: SNOMED; Value: 129270008; Descr: Listening - action (qualifier value)	CHRISTUS Santa Rosa Children's Hospital
Temp	2018-10-29 14:17	Type: UMLS; Value: C0279848; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
pGCS	2018-10-29 14:17	Type: UMLS; Value: C3538998; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
Color	2018-10-29 14:17	Type: UMLS; Value: C1880121; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
Radiology	2018-10-29 14:17	Type: SNOMED; Value: 119552005; Descr: Diagnostic imaging procedure using X-rays (procedure)	CHRISTUS Santa Rosa Children's Hospital
Radiograph	2018-10-29 14:17	Type: SNOMED; Value: 168537006; Descr: Plain radiography (procedure)	CHRISTUS Santa Rosa Children's Hospital
MDM	2018-10-29 14:17	Type: UMLS; Value: C0280664; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
orthopedics	2018-10-29 14:17	Type: UMLS; Value: C1136201; Descr: Unknown	CHRISTUS Santa Rosa Children's Hospital
pain control	2018-10-29 14:17	Type: SNOMED; Value: 278414003; Descr: Pain management (procedure)	CHRISTUS Santa Rosa Children's Hospital
PCP	2018-10-29 14:17	Type: SNOMED; Value: 20857001; Descr: Phencyclidine measurement (procedure)	CHRISTUS Santa Rosa Children's Hospital
Oct	2018-10-29 14:17	Type: SNOMED; Value: 392010000; Descr: Optical coherence tomography (procedure)	CHRISTUS Santa Rosa Children's Hospital
calm	2018-04-24 11:27	Type: SNOMED; Value: 386226007; Descr: Calming (procedure)	CHRISTUS Santa Rosa Children's Hospital
Bilirubin	2018-04-24 11:27	Type: SNOMED; Value: 166613009; Descr: Total bilirubin (& level)	CHRISTUS Santa Rosa Children's Hospital

Send Print Fax Play Addendum Details Scan Templates Letters Ink eHX Options

Response Discussion Support

Report

System at a glance

COVID patients 1,447
Total COVID patients

Bed management 560 93 78%
Total available beds Available acute care beds Acute care occupancy %

Nurse staffing management 322 213 0.66
ICU Census ICU Nurses Assigned ICU Nurse to Patient Ratio

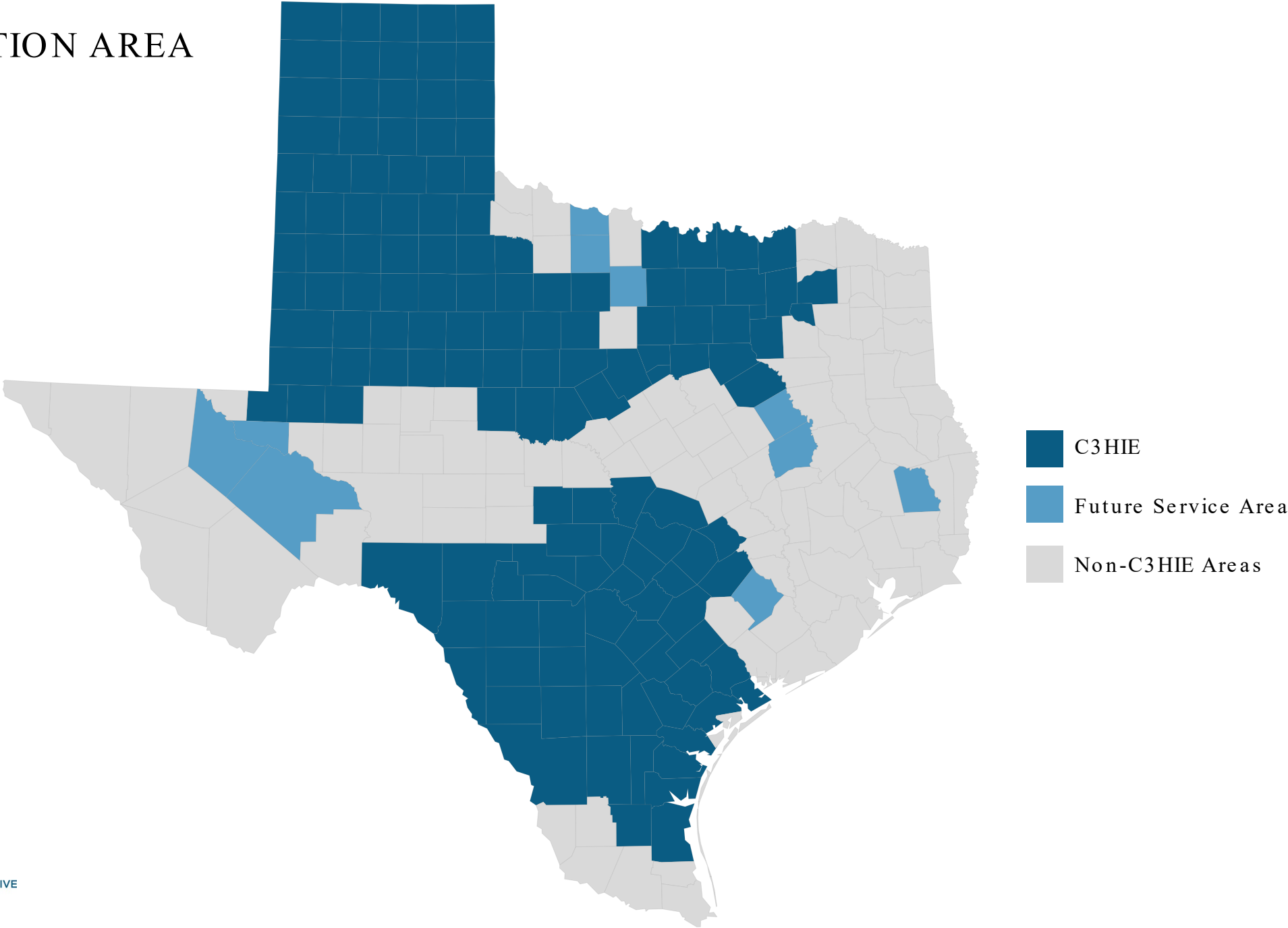
Discharges 62 149
Total Long Stay Patients Anticipated Next 24 Hours

Equipment 171 153 18
Total Vents Vents in use Vents Available

Supply by days on hand
Duchillo w/ Shield (SM) 10.8
Weeks w/ Shield (SM) 10.5
Duchillo w/ Shield (SDS) 11.8
Months w/ Shield (TCHEP) 8.2
H-95 (SM) 7.4
H-95 (SDS) 6.4
Days on hand

Rev: 2020.04.03.01 Date refreshed: (GMT) 4/3/2023 4:48:38 PM

C3HIE LOCATION AREA



C3HIE LOCATIONS


87
HOSPITALS

5
POST-ACUTE
CARE

256
LOCATIONS IN
IMPLEMENTATION

637
PHYSICIAN
LOCATIONS

DATA CONTRIBUTORS ON OUR WEBSITE



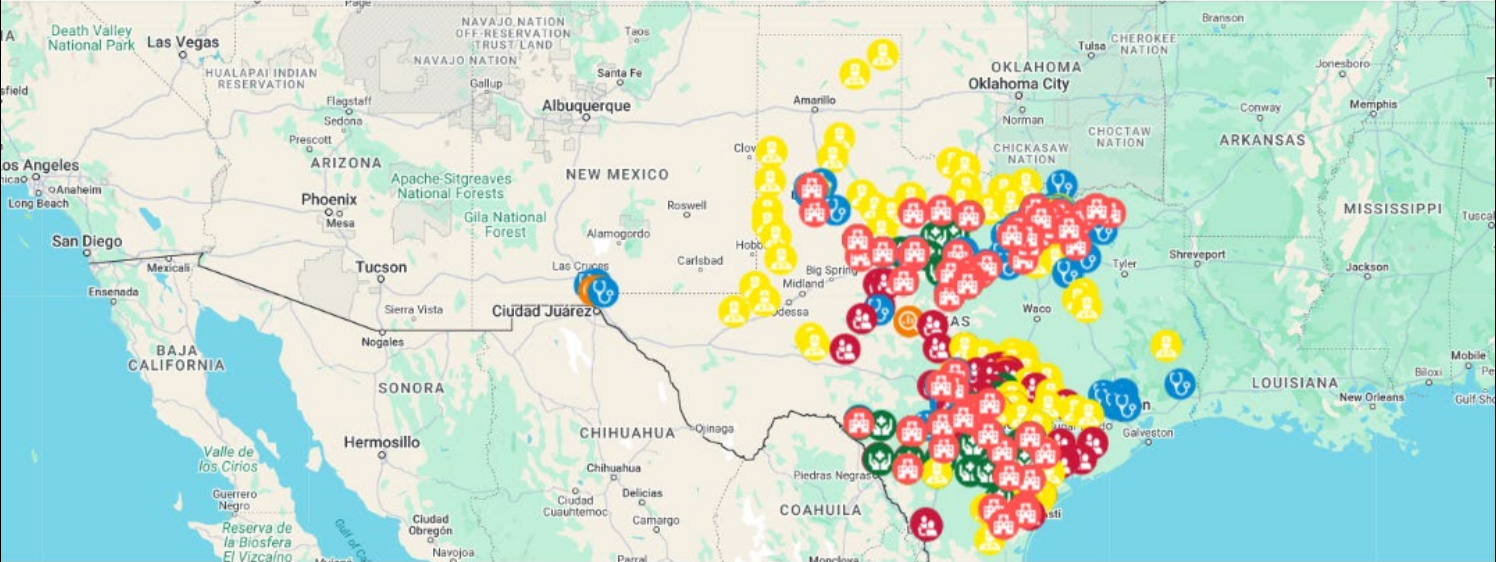
Home

About Us ▾

Connections ▾

Solutions ▾

Se



PARTICIPATING PROVIDERS

We listen, understand and strive to **deliver value** to each of our participants and **their communities** based on their data needs and goals.

Search Our Database


Search by Physican Office, Hospital or Clinic Name, Address, City or Zip Code

CSV

EXCEL

PDF

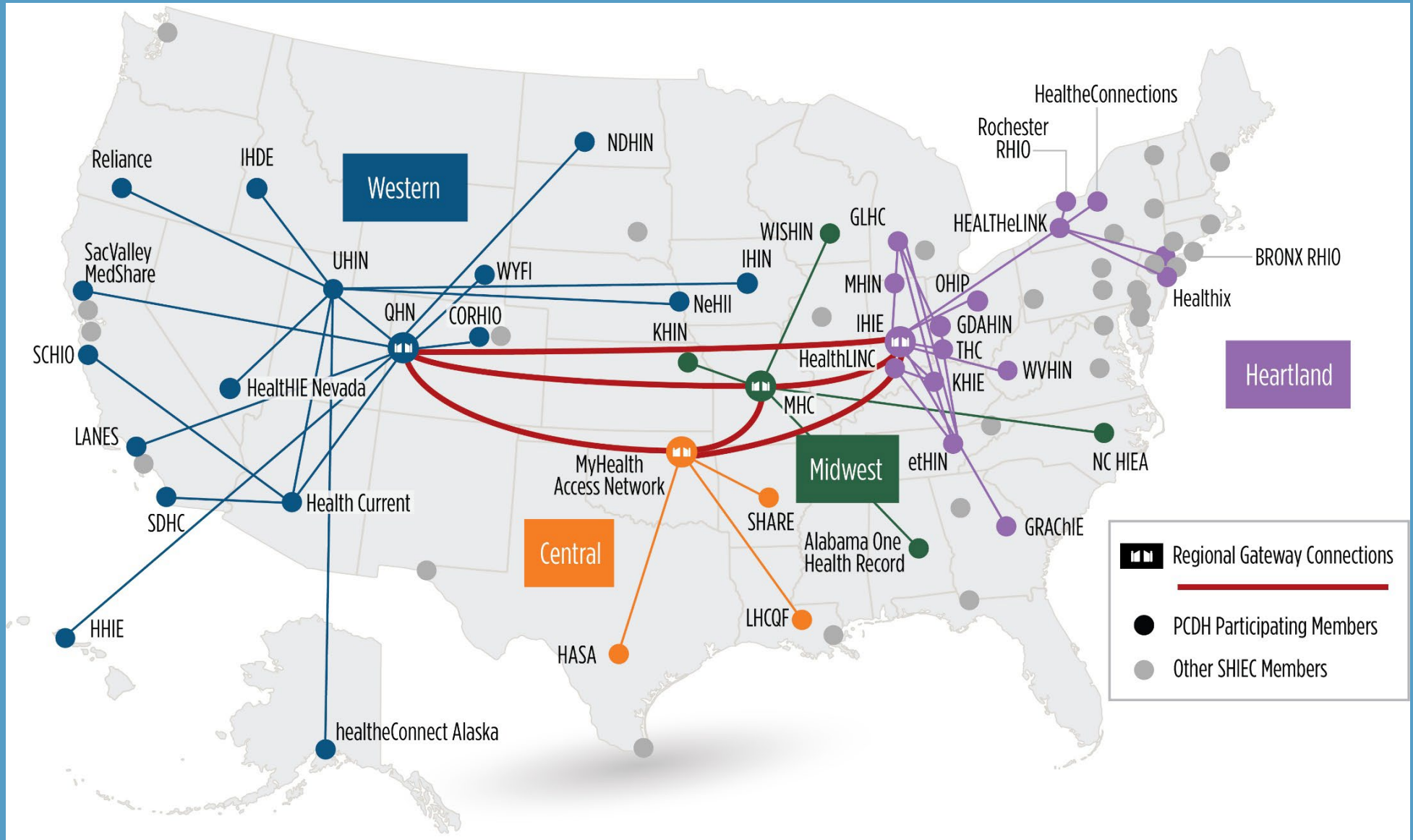
PRINT



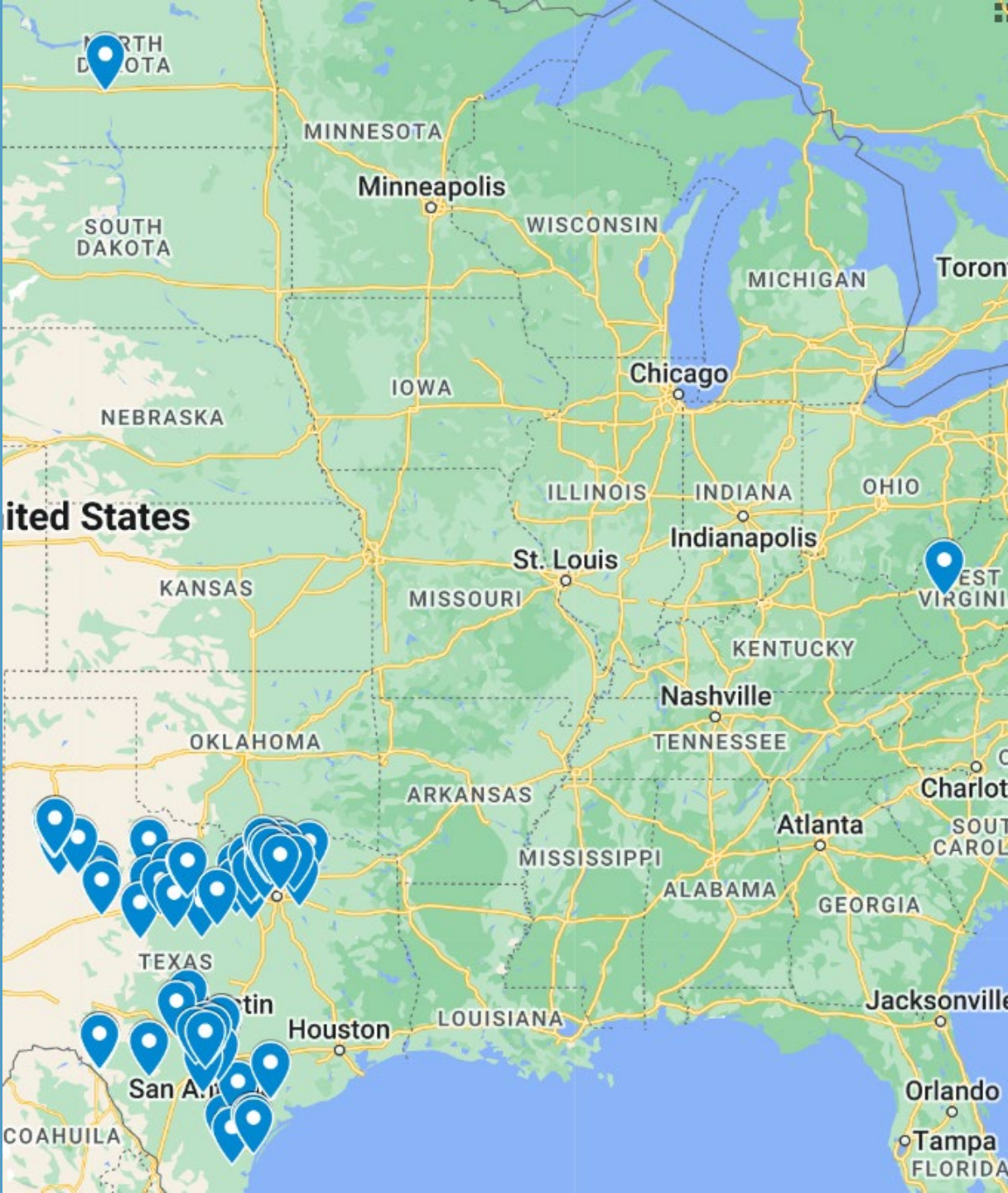
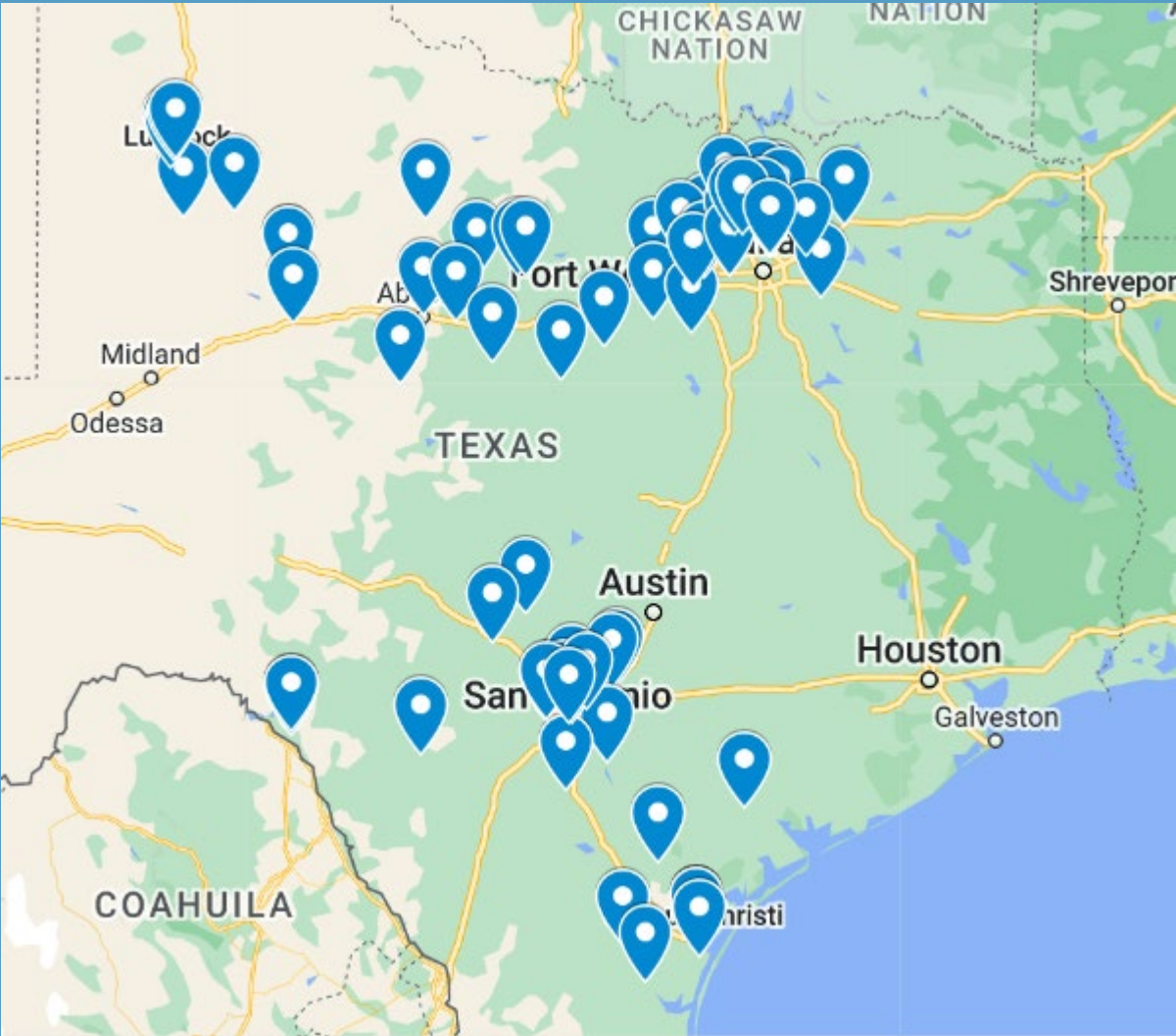
CONNECTED
COLLABORATIVE
COMMUNITY

© 2024 C3HIE

OKLAHOMA, ARKANSAS, LOUISIANA AND NATIONWIDE



HENDRICK HEALTH EXTERNAL ENCOUNTERS



The eHealth Exchange

A rapidly growing network for securely sharing health information



Shared Trust Framework

Common Standards, Specifications & Policies

eHealth Exchange[®] An initiative of **the sequoia**
project



600K Care Providers



TEFCA



HISP— help with Direct Secure Messaging



Patient-Centered Data Home (PCDH)



eHealth Exchange



C3HIE



TEXAS
Health and Human
Services

C3HIE IS THE ONLY TEXAS-BASED HIE IN THE STATE THAT PROVIDES ALL OF THESE:

1. Bi-directional CCD exchange
2. Connectivity to national frameworks like CareQuality, the eHealth Exchange (for VA and DoD data), and indirectly to CommonWell
3. Participation in ATLAS, EDEN, and providing Medicaid data to HHSC
4. Connectivity to ImmTrac2 bi-directionally (for those EHRs who are not)
5. Participation in the Patient-Centered Data Home (PCDH), a network of data sharing for HIEs around the U.S.

—AND—

6. Participation in TEFCA as part of the eHealth Exchange QHIN so all our data contributors can join through C3 (with signed flow-down agreements)



HIGHLIGHTS

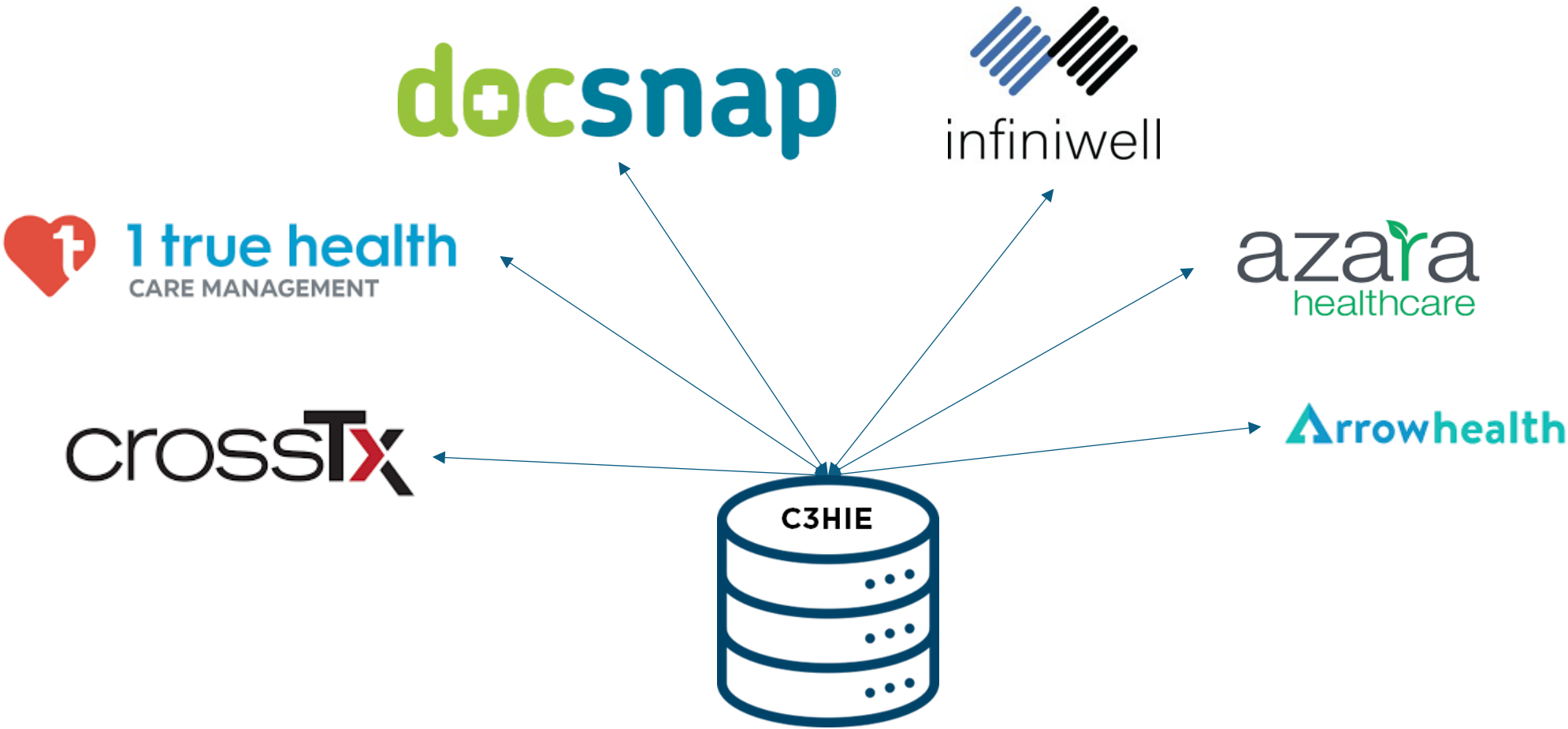
- Aspen Physician Network using C3HIE as its technology infrastructure (16 DFW specialty practices/400+ Physicians)
- TORCH CIN technology infrastructure (will be approx. 50 -60 hospitals and their clinics)
- C3Bridge browser extension – no setup fee/no interface connection to view/share data gives providers one -click access into patient HIE data on hospital patients
- 90+ hospitals and 3,000+ physicians
- Will add 100+ TORCH hospitals/clinics in next two years
- Custom data feeds to ensure you send/receive data the way you want
- Automated behavioral health pre -auth process with hospital & payer
- Texas-based nonprofit

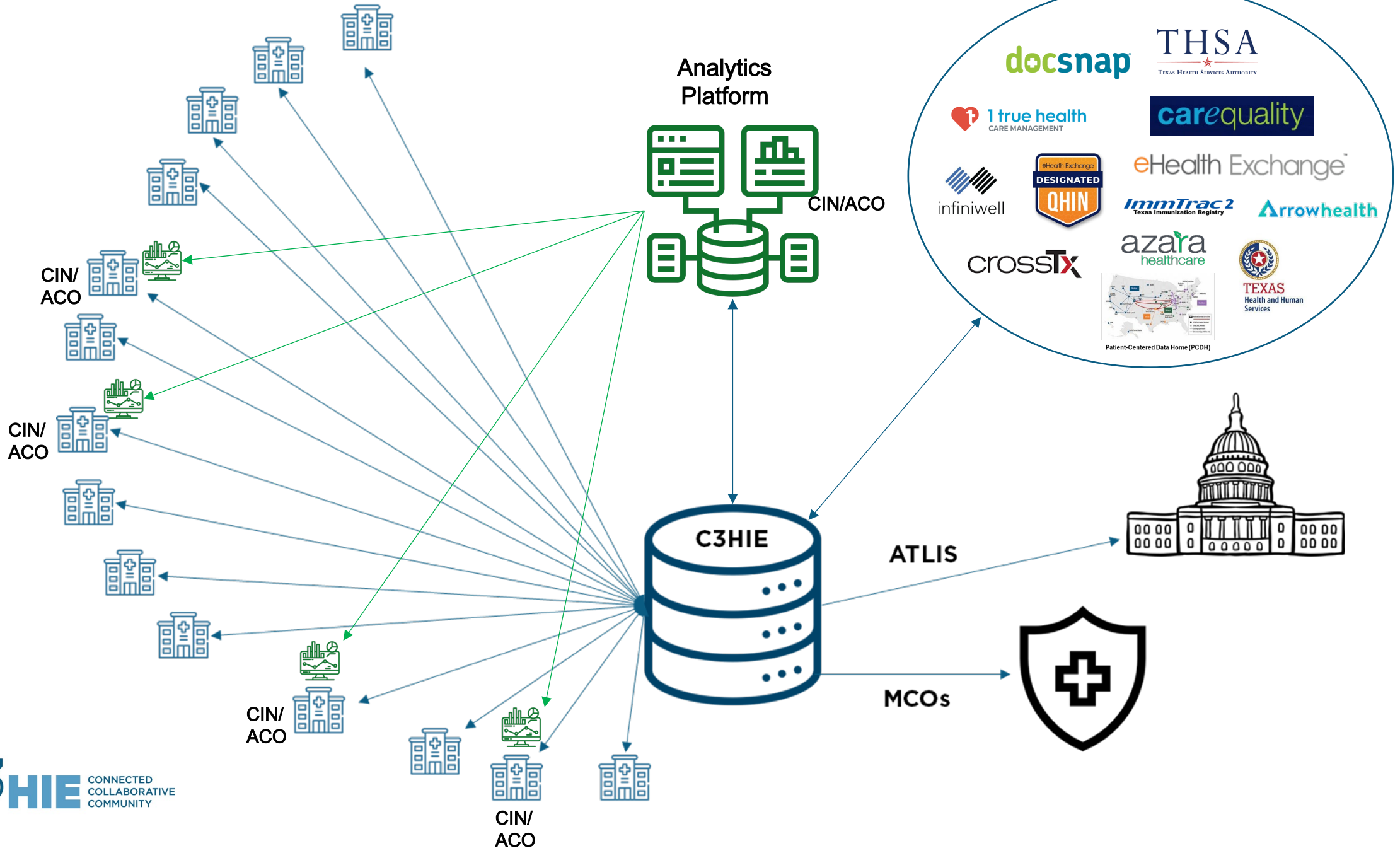


HIE ECOSYSTEM

- One connection, all the data
- Eliminates EHR feed costs – ADTs, Labs, and other data that HIE already has
- Minimizes startup fees with technology vendors
- Reduces human resource needs in provider orgs
- C3HIE becomes your interface hub at no additional cost to you
- Share data with PointClickCare , Receive PAC data from PontClickCare

HIE ECOSYSTEM





“

I wholeheartedly recommend C3HIE for TORCH hospitals. We've had the privilege of partnering with C3HIE for over three years, and **our experience with them has been nothing short of exceptional**. Jim and the team have gone above and beyond engaging with community providers and other quality organizations to improve our interoperability capabilities.

Tonya Price RN, MSN
CNO/COO, Lynn County Healthcare System

The dedication of C3HIE and the focus on its mission has contributed greatly to the success of Aspen Physician Network's accreditation as a CIN/ACO. **A true partnership is improving the quality of care for our patients, and C3HIE has been a great partner.**

Danny Conoway
Executive Director, Aspen CIN/ ACO

I am at my third location with HASA/C3HIE, and I have found their commitment to rural Texas hospitals outstanding and consistent. They have been consistent in their efforts to resolve vendor issues and ensure that important information is readily accessible to those who need it. **If I ever do this project again, it will be with C3HIE**.

Joe Wright
CEO, Eastland Memorial Hospital

”

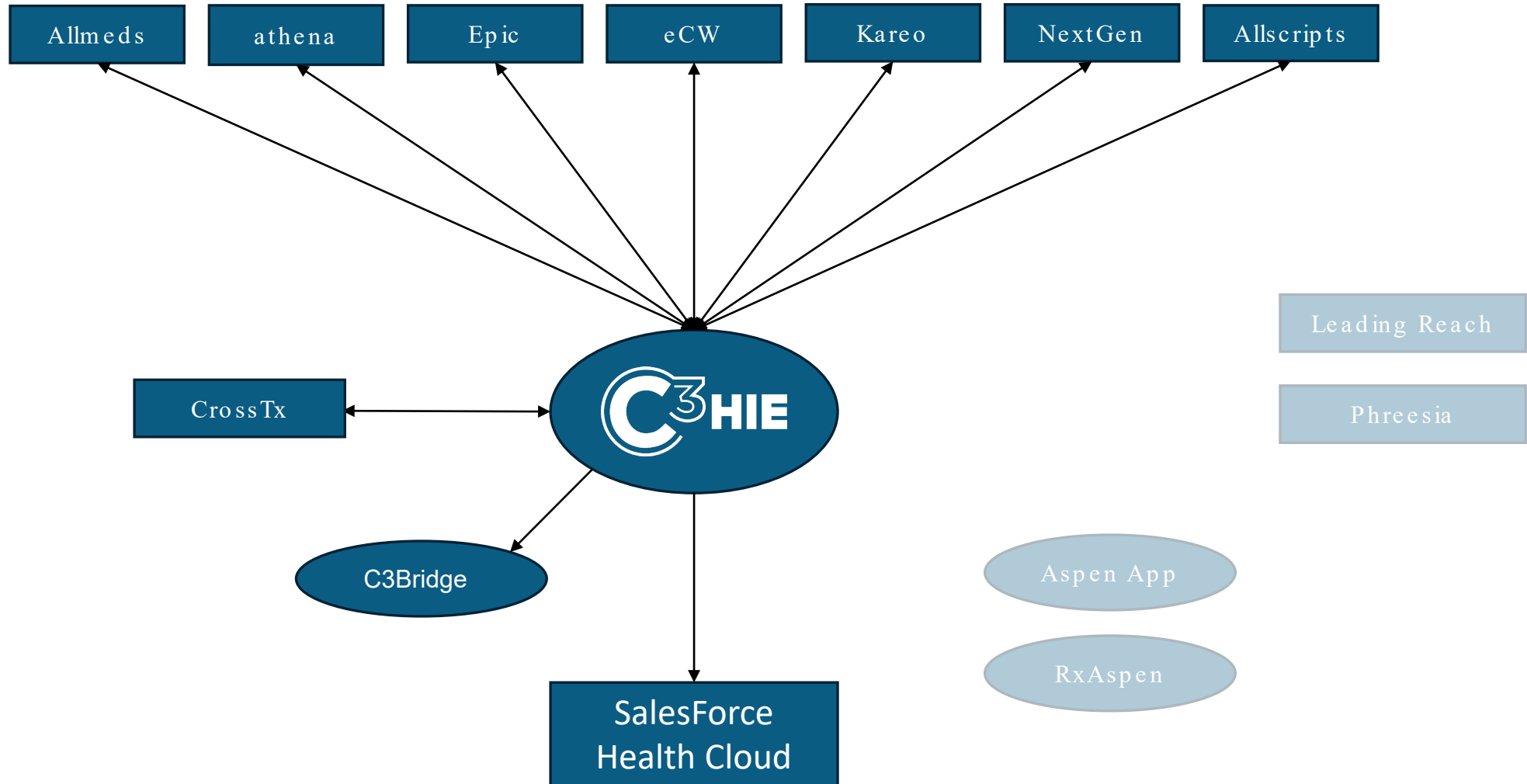
THANK YOU!

OTHER CIN/ACO BY C3HIE - ASPEN PHYSICIAN NETWORK



<p>Arthritis Centers of Texas Setting the Standard in Rheumatology</p>	<p>THE CARRELL CLINIC Est. 1921</p>	<p>Collin County Ear Nose and Throat</p>	<p>DALLAS NEPHROLOGY ASSOCIATES Comprehensive Kidney Care</p>	<p>Kane Hall Barry NEUROLOGY</p>	<p>MD On Call SPECIALISTS IN HOSPITAL MEDICINE</p>	<p>NEUROLOGY CONSULTANTS OF DALLAS, PA</p>	<p>OSSM ORTHOPAEDIC SURGERY & SPORTS MEDICINE OF DALLAS</p>
Arthritis Centers of Texas	W.B. Carrell Memorial Clinic	Collin County Ear Nose and Throat	Dallas Nephrology Associates	Kane Hall Barry Neurology	MD on Call	Neurology Consultants of Dallas, PA	Orthopaedic Surgery & Sports Medicine of Texas
<p>Dallas Neurosurgical & Spine Practice established in 1973</p>	<p>ENDOCRINE ASSOCIATES OF DALLAS & PLANO</p>	<p>HeartPlace The Future Of Cardiology Is Here</p>	<p>Hospitalist Internists Associates</p>	<p>SOUTHWEST PULMONARY ASSOCIATES</p>	<p>Surgical Consultants of Dallas, L.L.C.</p>	<p>TCRS Colorectal Specialists Improve Your Outcome</p>	<p>Texas Orthopaedic Associates, L.L.P.</p>
Dallas Neurosurgical & Spine	Endocrine Associates of Dallas & Plano	HeartPlace	Hospitalist Internists Associates (HIA)	Southwest Pulmonary Associates	Surgical Consultants of Dallas, L.L.C.	TCRS Colorectal Specialists	Texas Orthopaedic Associates
<p>Urology Clinics of North Texas</p>							
Urology Clinics of North Texas							
<p>Vascular Care OF TEXAS, PLLC</p>							
Vascular Care of Texas, PLLC							

INFORMATION TECHNOLOGY INTEGRATION FOR ASPEN CIN/ACO



C3 Bridge Demo

INTEGRATED PARTNERS – C3 BRIDGE HIE DATA VIEWER

- Browser extension
- Aggregated HIE data
- Move your most important sections to the top
- Decide age of data you want to view
- ImmTrac2
Immunization viewer
- Gaps in Care viewer
- ONE CLICK!

The screenshot displays the C3 Bridge HIE Data Viewer interface for a patient named Elizabeth TEST. The interface is organized into several sections:

- Header:** Includes navigation tabs (CALENDAR, PATIENTS, CLAIMS, FINANCIALS), a Patient ID dropdown, a LOG OUT button, and a C3HIE logo with a 3 MO filter and settings icon.
- Patient Profile:** Shows the patient's name (Elizabeth TEST), age and gender (48 F), and birth date (06-12-1975).
- Left Sidebar:** Contains icons for FIND, ALLERGY, PROBLEM, MEDS, VITALS, RESULTS, and VISITS.
- Main Content Area:**
 - Problems:** Lists COPD and Hypertension.
 - Allergies:** Lists Tree Nut and Aspirin.
 - Medications:** Lists Carbamazepine 200mg, Salbutamol 2mg, and Digoxin 0.25mg.
 - Results:** Displays "No Recent Results".
 - Last Visit:** Shows the provider (Dr S. Crunkleton), encounter date (08/10/2022), reason for visit (Sore Throat), and a detailed HPI (History of Present Illness) and Assessment and Plan.
- Right Sidebar:** Contains sections for Results/Labs (listing AMYLASE and ARTERIAL BLOOD GAS), Allergies and Intolerances (listing penicillin V), Problems (listing ENCOUNTER FOR ANTINEOPLAS...), and Procedures (listing X-ray of abdomen, single view).

VALUE & BENEFITS OF AN HIE

In 2025, an HIE SHOULD be:

- Bi-directional – providers will need to bring patient information into their EHR.
- Able to give you parsed & curated data that you need – providers and ACOs don't need all the data, just what's relevant to *them*.
- Able to give you the data where you want it. EHR, Business Intelligence, Ribbon, sftp folders, S3 buckets, etc.
- Committed to include PCPs, Specialty Physicians, Hospitals, Behavioral Health orgs, and PAC orgs to get a whole picture of a patient.
- Have access to community data, DoD and VA data, and outside orgs where the patient might be seen.

C3HIE:



The RIGHT care at the RIGHT time requires the BEST information possible.

VALUE & BENEFITS OF AN HIE

In 2025, an HIE IDEALLY can:

- Help with quality measures – measures that need data from across a community like procedures done outside PCP office, last clinic visit for pts. with A1C > 7.0 . **C3HIE does not submit on behalf of orgs.*
- Tell you how many high-value procedures were done elsewhere on YOUR patients.
- Build and feed custom analytics from community EHRs reporting on utilization, and standard CCD clinical information.
- Interface with technology tools that help provider orgs and ACOs coordinate care and improve outcomes for less cost and work effort.

C3HIE:



The RIGHT care at the RIGHT time requires the BEST information possible.



Jim Hoag
Interim CEO
(972) 375-7512
jim.hoag@C3HIE.org