

THE OFFICE OF THE STATE COORDINATOR FOR HEALTH INFORMATION EXCHANGE

Steve Miller, CHCIO

State Coordinator for Health Information Exchange

Improving Care Coordination, Delivery, & Quality
Utilizing the Health Information Exchange



WHY A HEALTH INFORMATION EXCHANGE?

70%
of Oklahomans have
records in more than one
health care delivery
system

Health Information Exchanges help...

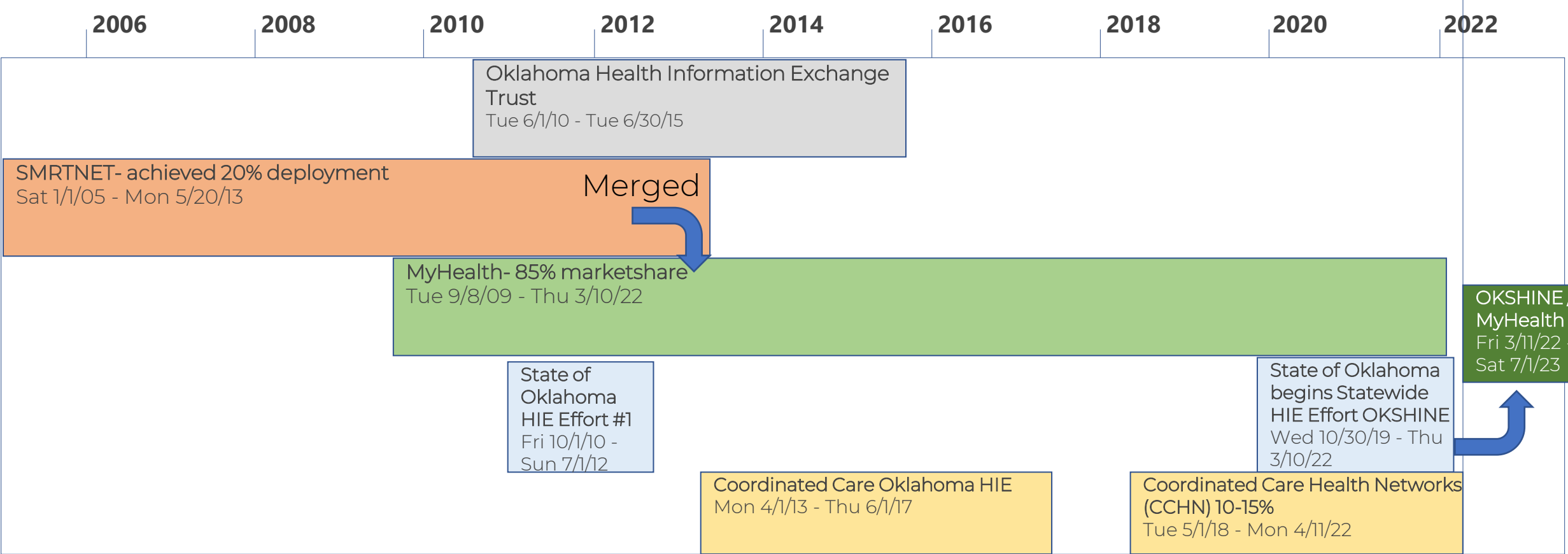
- Reduce health care costs associated with redundant testing, hospital readmissions, and emergency department visits.
- Improve care coordination during transitions between health care settings, reduce adverse drug events and missed preventative care
- Improve patient experience and performance on quality measures
- Comply with State and Federal programs such as CMS interoperability rules.

Reduce the clinical impact of care fragmentation!



OKLAHOMA HIE HISTORY

Single Unified
HIE EFFORT



Single Unified Effort to provide a Medical Records Sharing and Aggregation Solution

LEGISLATION

SB 574 (May 2021)

- Created the Oklahoma State Health Information Network Exchange, (OKSHINE)

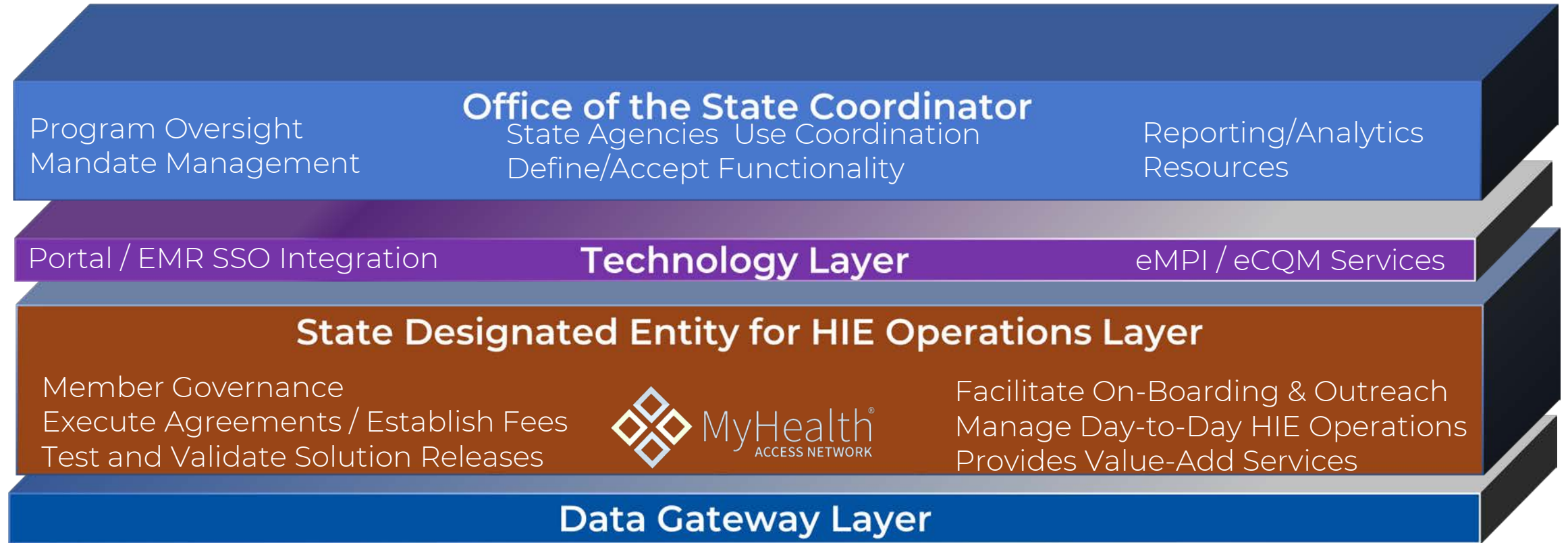
SB 1369 (May 2022)

- Created the **Office of the State Coordinator** for Health Information Exchange
- Created concept of a **State Designated Entity for HIE Operations** overseen by the office.
- Defined the Health Information Exchange Organization as one governed by its stakeholders.
- Declared a Mandate that **“all providers”** participate in the statewide HIE **by July 1, 2023**
 - Establish a direct secure connection to the SDE and **transmit active patient data.**
 - **Actively Utilize HIE services** to securely access records during and/or in support of patient care.
- Coordinator may grant **exemptions** (financial hardship or technological capability)
 - Hardship exemption does not exclude provider from requirements
 - Requires submission of detailed justification as to the hardship and a plan with timeline for remediation.

SB 1337

- Provides for managed care entities and providers to submit data to the HIE

HIE FRAMEWORK



Other HIE's



Pharmacists



Physicians

Family Practices



Hospitals

Urgent-Care



Long-Term Care

Rehabilitation



Payers



State Agencies

MYHEALTH

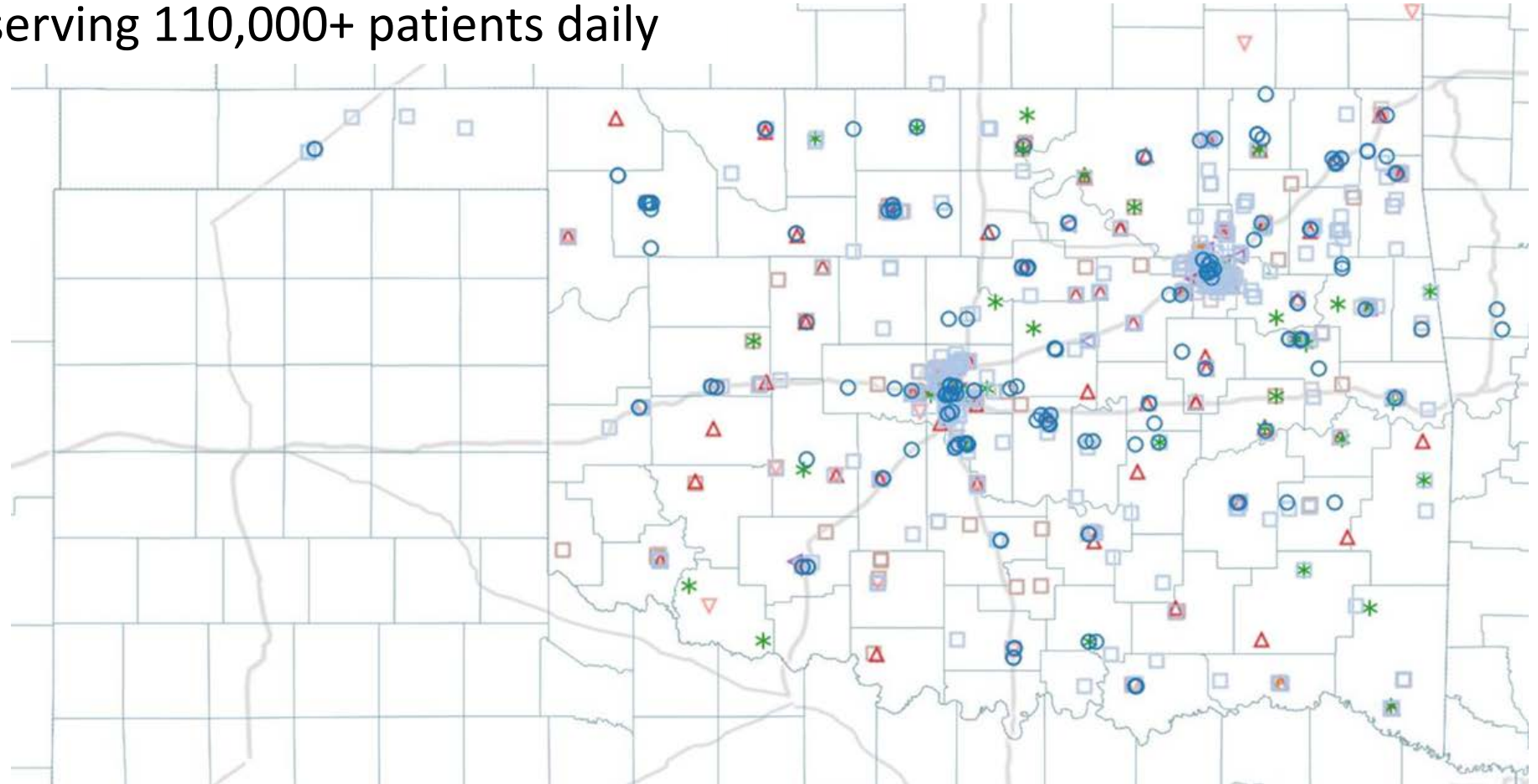
In choosing MyHealth, an Oklahoma-based 501c3:

- >80% of Oklahoma's healthcare data already connected
- ~400 organizations do not need to reconnect
- Existing legal agreements and policies remain in place
- Eligible for Federal funding from CMS and other agencies
- Extensive Governance of Network and Data Use
 - Providers and other healthcare stakeholders
 - State is a Participant

CURRENT HIE COVERAGE

1400+ locations serving 110,000+ patients daily

>80%
of all
healthcare
activity



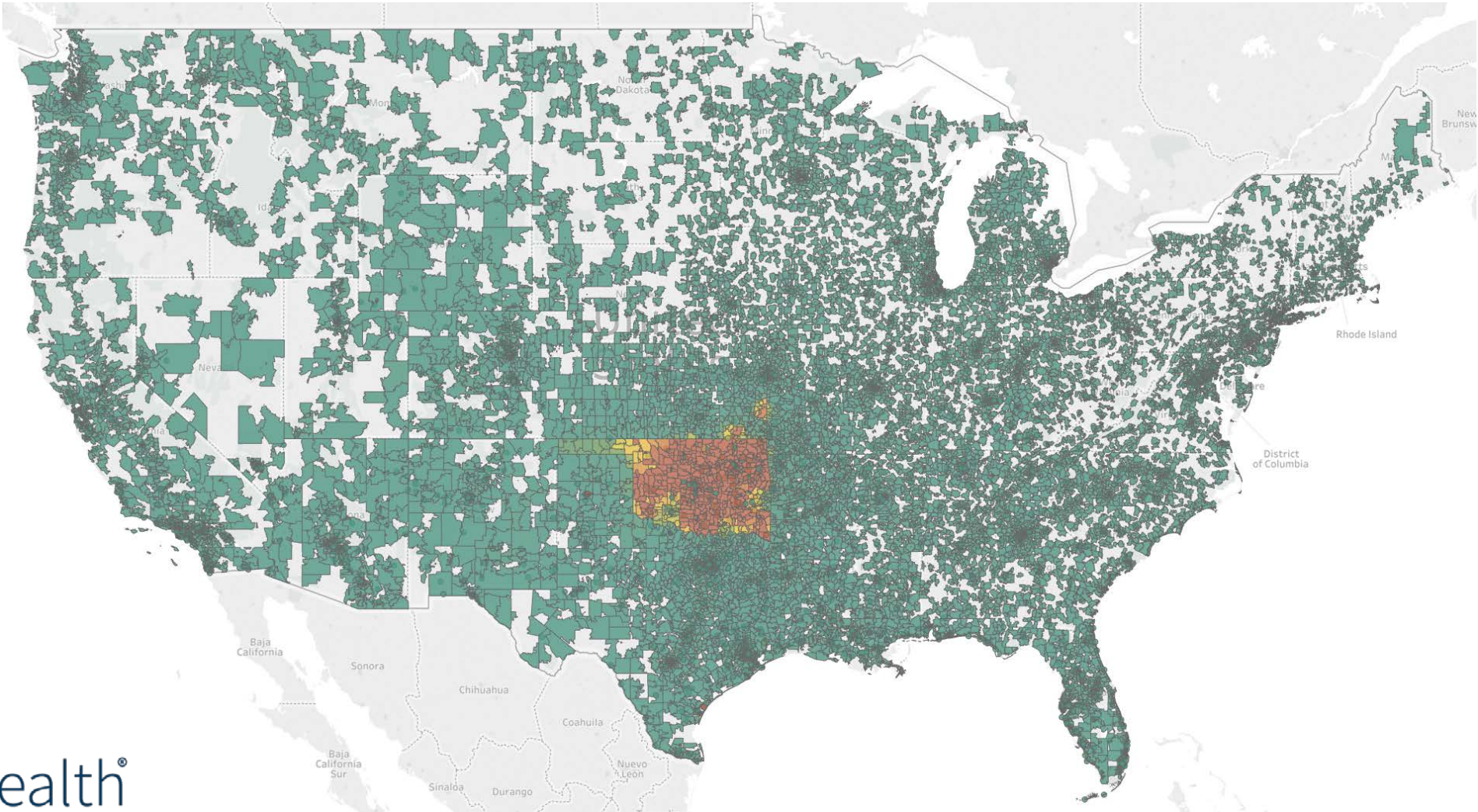
Facility Type

Null	Emergency Services	Lab	Pharmacy
Behavioral Health...	FQHC	Long Term Care ...	Public Health
Clinic	Hospice	Ophthalmology/Op...	Urgent Care Facility
Community/Social...	Hospital	Payer	

Facility Type

Null	Emergency Services	Lab	Pharmacy
Behavioral Health...	FQHC	Long Term Care ...	Public Health
Clinic	Hospice	Ophthalmology/Op...	Urgent Care Facility
+ Community/Social...	Hospital	Payer	

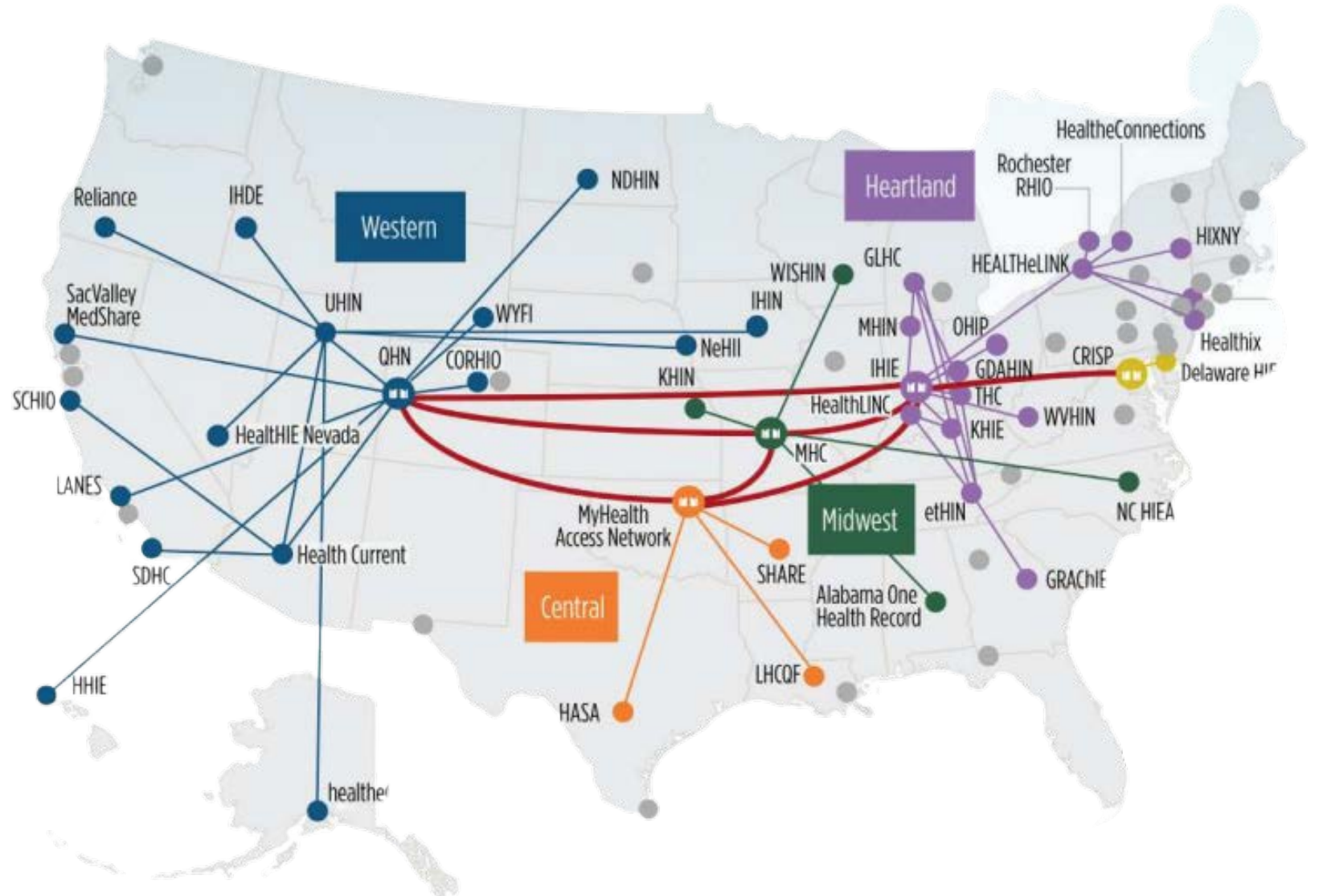
OKLAHOMA HIE PATIENT POPULATION



PATIENT CENTERED DATA HOME

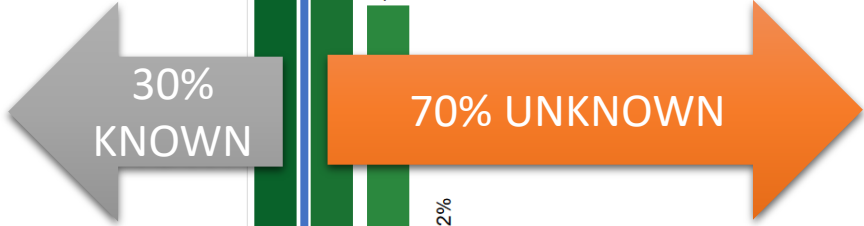
DATA INCLUDES

Health information exchanges (HIEs) are connecting nationwide to seamlessly deliver patient health information across state lines and across health systems, improving the patient experience by making their health information available whenever and wherever their care occurs



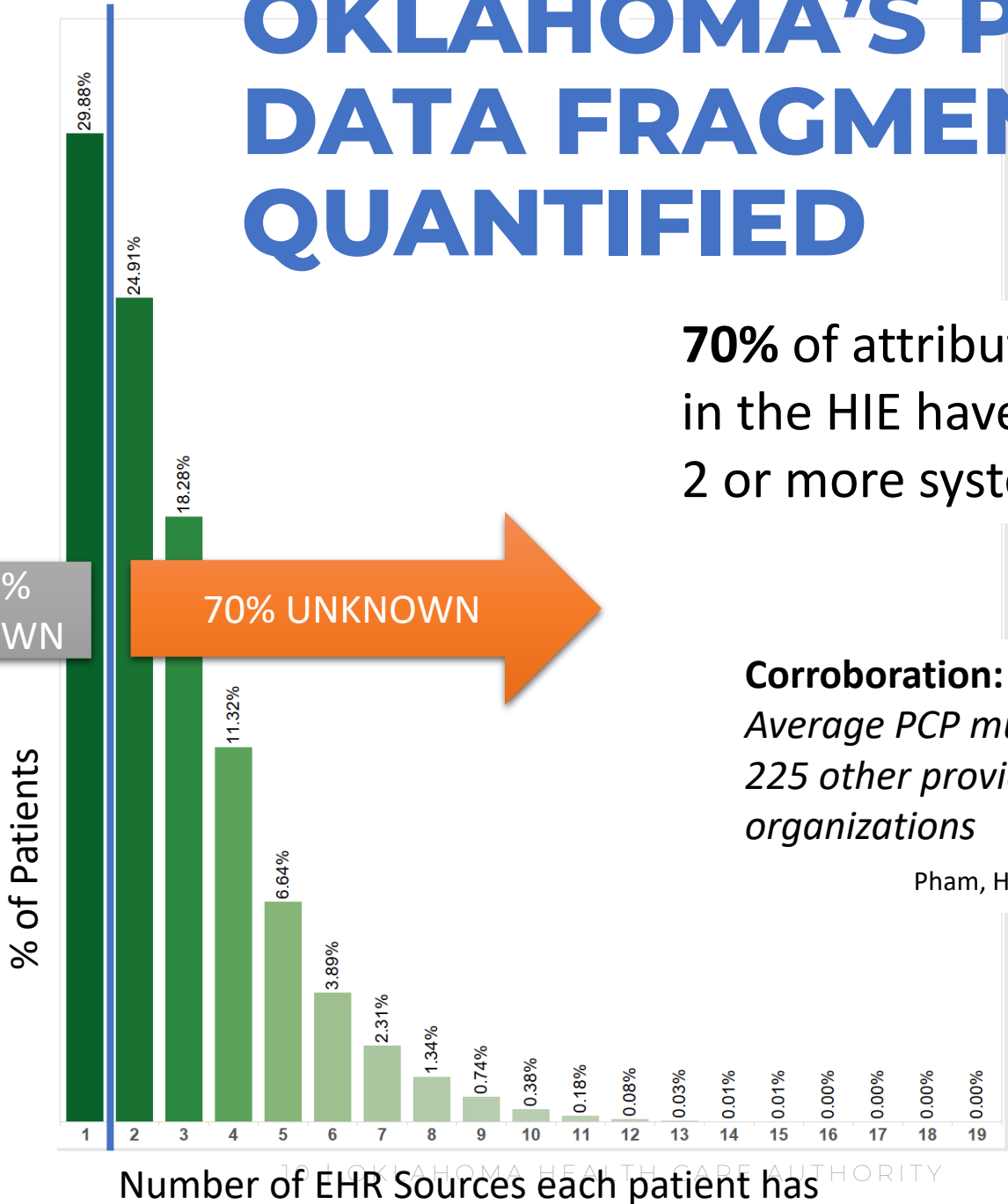
OKLAHOMA'S PATIENT DATA FRAGMENTATION QUANTIFIED

70% of attributed patients in the HIE have records in 2 or more systems

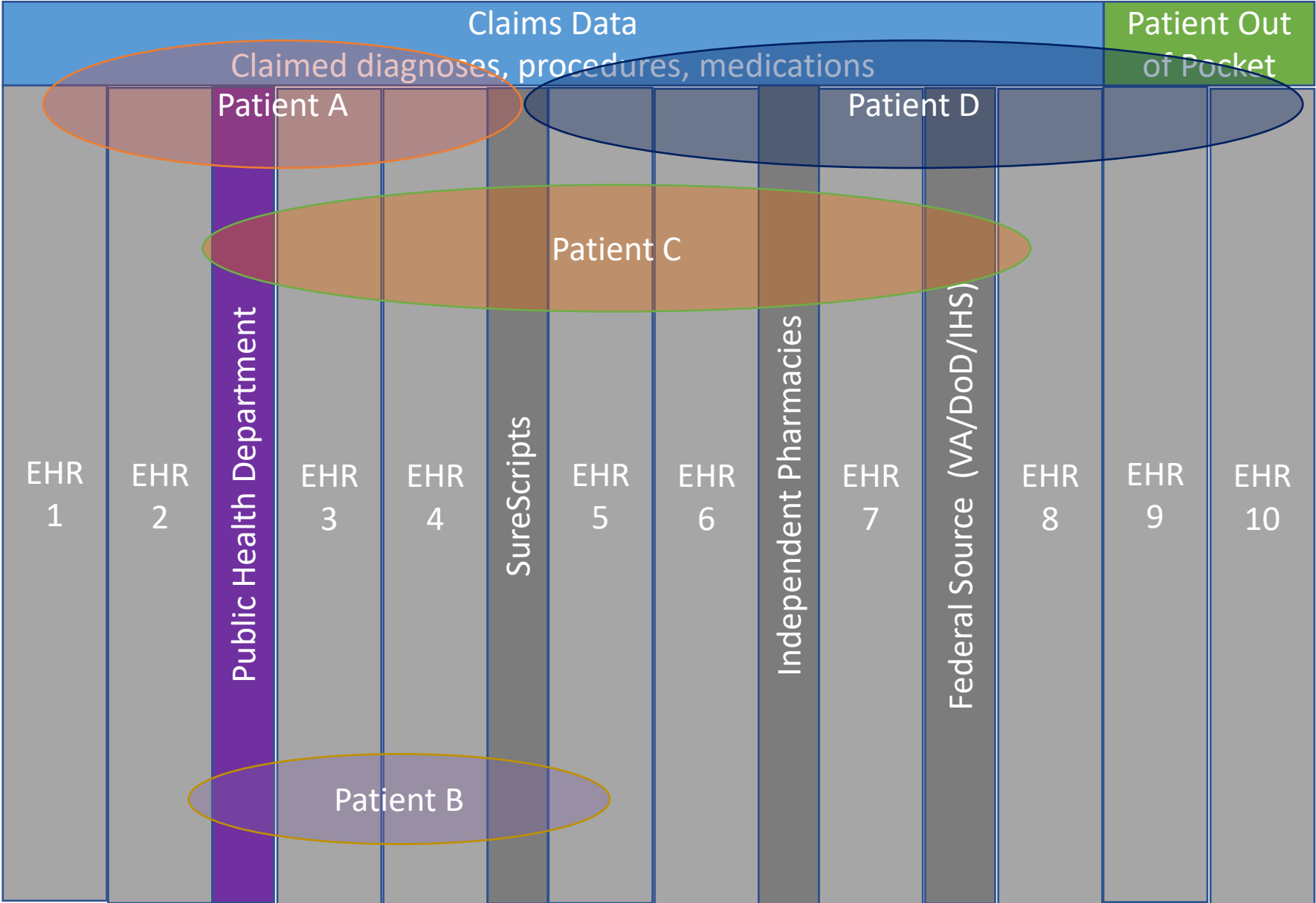


Corroboration:
Average PCP must coordinate care with 225 other providers in 117 other organizations

Pham, HH, NEJM 2007; 356: 1130-1139



CARE FRAGMENTATION



HIE CAPABILITIES



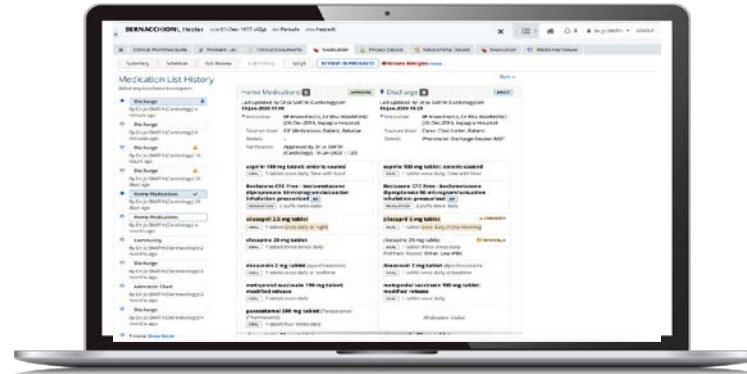
Care Coordination/
Records Aggregation



Quality/Care
Gap Mgmt.



Direct
Messaging



Portal & EMR Integrated Access



Clinical and
Claims
Data Integration



Real-time
Notifications
(CoP)



Provider and
Relationship Registry



Public Health
Reporting

Utilization Goal: 100% of new patients are looked up in the HIE



PROVIDER PORTAL



MyHealth Access Network

Patient Charts

Mouse, Mickey (F, 71)
DOB: 10/02/1950

Address: 1000 WHITE HOUSE, BRIDGETON, MO 63044, USA
Mobile: +1-580-222-5555
Home: +1-314-777-9311

WC CCSI
WC CCSI
WC CCSI

Summary

Encounters

Encounter Type	Admit - Discharge Dates	Source
Ambulatory	03/03/2022 00:00 - 03/03/2022 00:00	SSM Health Care - Hospital
Ambulatory	01/11/2022 00:00 - 01/11/2022 00:00	SSM Health Care - Hospital
Ambulatory	01/10/2022 00:00 - 01/10/2022 00:00	SSM Health Care - Hospital
Ambulatory	01/04/2022 00:00 - 01/04/2022 00:00	SSM Health Care - Hospital
Ambulatory	11/30/2021 18:44 -	SSM Health Care
Ambulatory	10/28/2021 10:40 - 10/28/2021 10:55	SSM Health Care - Hospital
Ambulatory	10/28/2021 10:36 -	SSM Health Care
Ambulatory	10/28/2021 00:00 -	SSM Health Care
Ambulatory	10/21/2021 00:00 - 10/21/2021 00:00	SSM Health Care - Hospital
Ambulatory	10/20/2021 00:00 - 10/20/2021 00:00	SSM Health Care - Hospital
O/p	10/12/2021 10:51 -	SSM Health Care
O/p	10/12/2021 00:00 -	SSM Health Care
Ambulatory	10/12/2021 00:00 - 10/12/2021 00:00	SSM Health Care - Hospital
O/p	09/28/2021 10:47 -	SSM Health Care
O/p	09/28/2021 00:00 -	SSM Health Care
Ambulatory	09/28/2021 00:00 - 09/28/2021 00:00	SSM Health Care - Hospital
Ambulatory	09/20/2021 00:00 - 09/20/2021 00:00	SSM Health Care - Hospital
Ambulatory	08/31/2021 00:00 - 08/31/2021 00:00	SSM Health Care - Hospital
Ambulatory	08/20/2021 00:00 - 08/20/2021 00:00	SSM Health Care - Hospital
Ambulatory	08/13/2021 13:43 - 08/13/2021 14:03	SSM Health Care - Hospital

Documents

Description	Created
Summary of Care Summarization of Episode Note	03/06/2022 14:09
Summary of Care Summarization of Episode Note	02/07/2022 10:07
Summary of Care Summarization of Episode Note	01/21/2022 14:20
Summary of Care Summarization of Episode Note	01/21/2022 19:02
Summary of Care Summarization of Episode Note	01/15/2022 19:03
Summary of Care Summarization of Episode Note	01/15/2022 19:02
Summary of Care Summarization of Episode Note	01/14/2022 09:46
Summary of Care Summarization of Episode Note	11/02/2021 09:28
Nation, Cary Douglas, PA-C - 10/30/2021 9:27 AM CDT Progress Note	10/30/2021 09:27
Summary of Care Summarization of Episode Note	10/26/2021 04:00
Summary of Care Summarization of Episode Note	10/26/2021 04:00
Summary of Care Summarization of Episode Note	10/24/2021 08:22
Summary of Care Summarization of Episode Note	10/23/2021 14:54
Summary of Care Summarization of Episode Note	10/15/2021 10:50
Summary of Care Summarization of Episode Note	10/09/2021 19:01
Summary of Care Summarization of Episode Note	09/23/2021 15:02
Summary of Care Summarization of Episode Note	09/11/2021 19:02
Summary of Care Summarization of Episode Note	08/23/2021 14:21
Summary of Care Summarization of Episode Note	08/20/2021 14:32
Summary of Care Summarization of Episode Note	08/20/2021 14:22

Problems

Problem/Condition	Code	Onset Date	Status	Source
Displaced fracture of proximal phalanx of left index finger, initial encounter for closed fracture	ICD-10 S62.611A	10/28/2021	Active	SSM Health Care
Unspecified chronic conjunctivitis, unspecified eye	ICD-10 H10.409	10/28/2021	Active	SSM Health Care
Acute pharyngitis, unspecified	ICD-10 J02.9	10/28/2021	Active	SSM Health Care
Gastro-esophageal reflux disease without esophagitis	ICD-10 K21.9	10/12/2021	Active	SSM Health Care
Gastro-esophageal reflux disease without esophagitis	ICD-10 K21.9	09/28/2021	Active	SSM Health Care
Encounter for general adult medical examination without	ICD-10 Z00.00	08/13/2021	Active	SSM Health Care

Immunizations

Immunization	Administered Date
FLU VACCINE IV INC ANTIG PF IM	10/07/2020 00:00
FLU VACCINE QUAD IV4 PF ID	11/09/2018 00:00
FLU VACCINE QUAD IV4 SPLIT PF IM	11/09/2018 00:00

Labs (last 5 panels displayed, trendline displays last 5 results if available)

Panel	Test	Value	Interpretation
HEPATIC ENZYME TESTS	Comment	Notification	

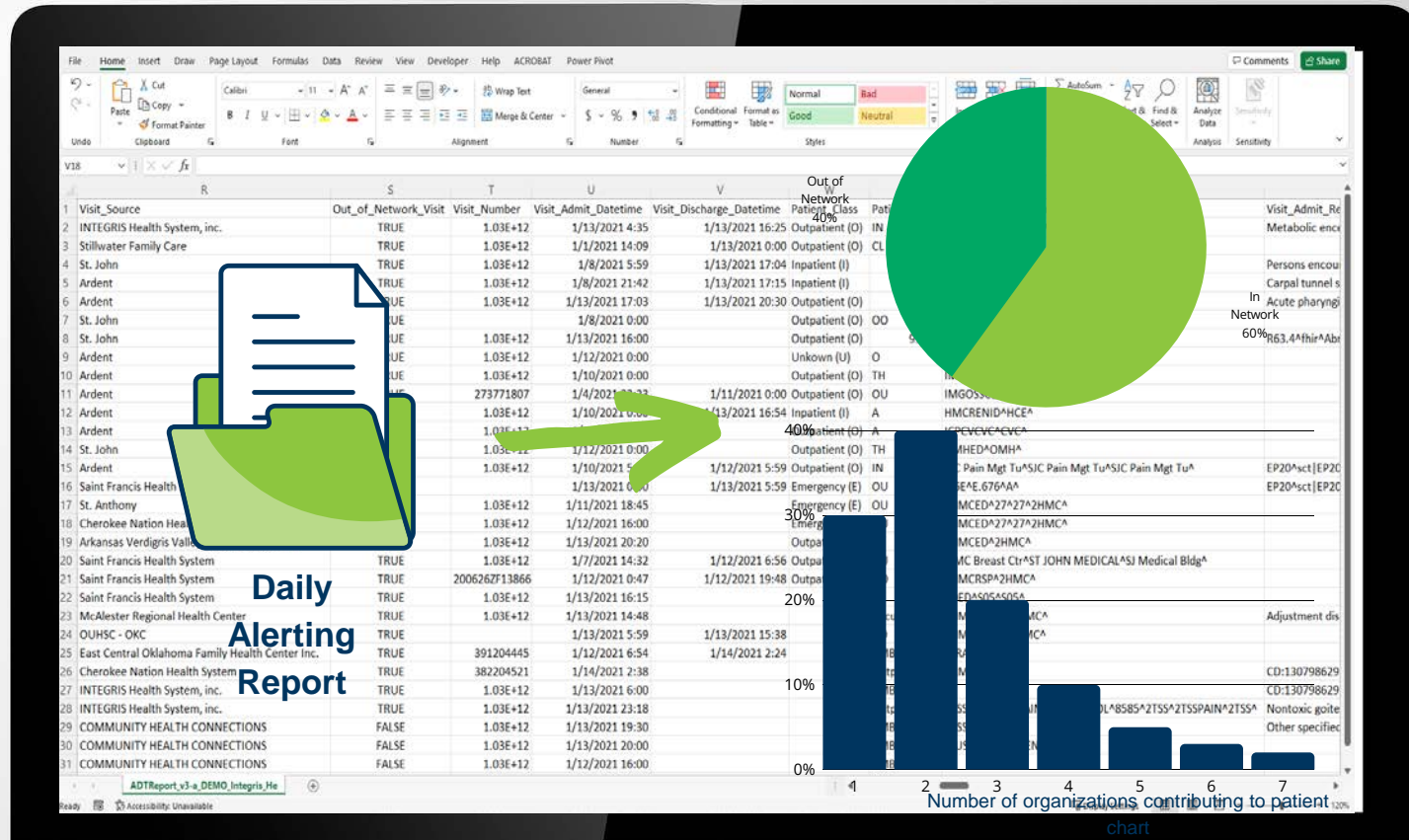
Privacy Policy and Notice of Breach

Value Proposition:

- Find the most complete records immediately
- No need to read separate documents from every org
- Close loops on referrals



CARE
FRAGMENTATION
ALERTING



Value Proposition:

- Schedule follow-up with ER and Inpatient discharges
- Close loops on referrals
- Understand in- and out- of network care



MyHealth Electronic Notifications (CoP)

October 2022

46%

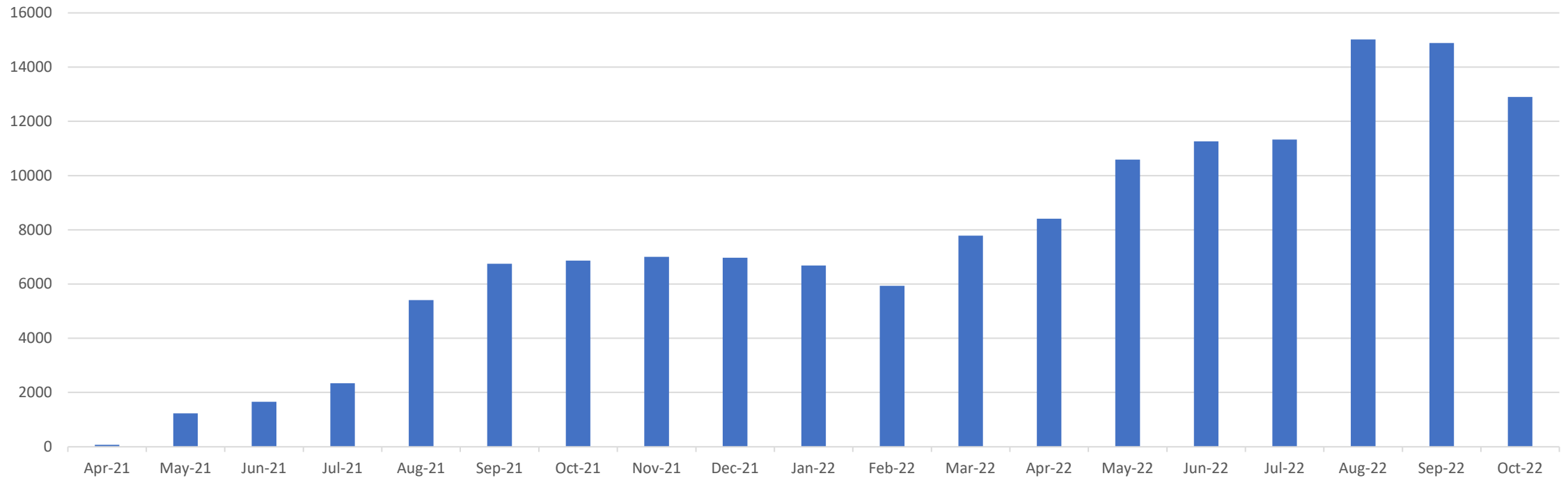
Delivery rate

12,896

Notifications Delivered

143,086

Notifications Delivered All-Time





eCQM's & Care Gaps



Gaps By Patient

Gaps By Patient and Measure:

Patient ID	Patient Last Name	Patient First Name	Total Gaps	CMS002		CMS009			CMS082			CMS122			CMS126			CMS138		CMS155		
				Den	Num	Exc	Den	Num	Exc	Den	Num	Exc	Den	Num	Exc	Den	Num	Exc	Den	Num	Exc	Den
0000000000000015555	Mclaughlin	Bruce	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018004	Hunter	Jane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018005	Hicks	Nancy	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018015	Fry	Diane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018021	Lowery	Evelyn	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018054	Adams	Jason	5	✓	x	-	✓	x	-	x	-	✓	x	-	✓	x	-	✓	x	-	✓	x
0000000000000018204	Underwood	Jane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018206	Contreras	Nancy	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018215	Carr	Diane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018221	Vanquet	Evelyn	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018404	Horton	Jane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018405	Douglas	Nancy	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018415	Ferguson	Diane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018421	Evans	Evelyn	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018604	Dawson	Jane	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018605	Stuart	Nancy	5	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x
0000000000000018615	Miranda	Tiana	6	✓	x	-	x	x	-	x	-	x	x	-	x	x	-	x	x	-	x	x

Indicator	Definition
	A green checkmark indicates the patient met the denominator criteria and/or the numerator criteria for the measure.
	A red x indicates the patient did not meet the numerator criteria and is therefore a gap for the measure.
	A red checkmark indicates the patient met the numerator criteria but was still a gap. A red checkmark is used to indicate gaps for "negative" measures, such as CMS122 Diabetes: Hemoglobin A1c Poor Control.
	A black x indicates the patient did not meet the criteria for the measure. A black x can appear in the numerator and/or denominator.

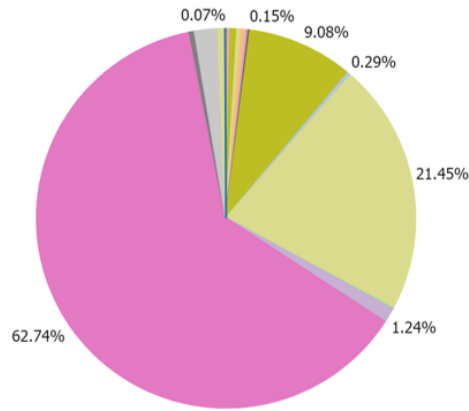
Value Proposition:

- Close gaps in care
- Improve quality
- Optimize performance in value-based payment models

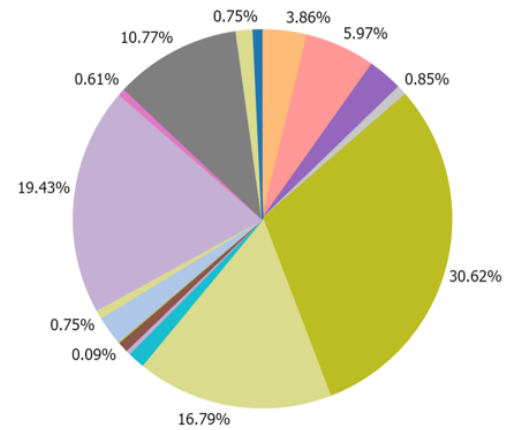




Strategic Planning



OKC Hospital A
In-Network % = 62.74%

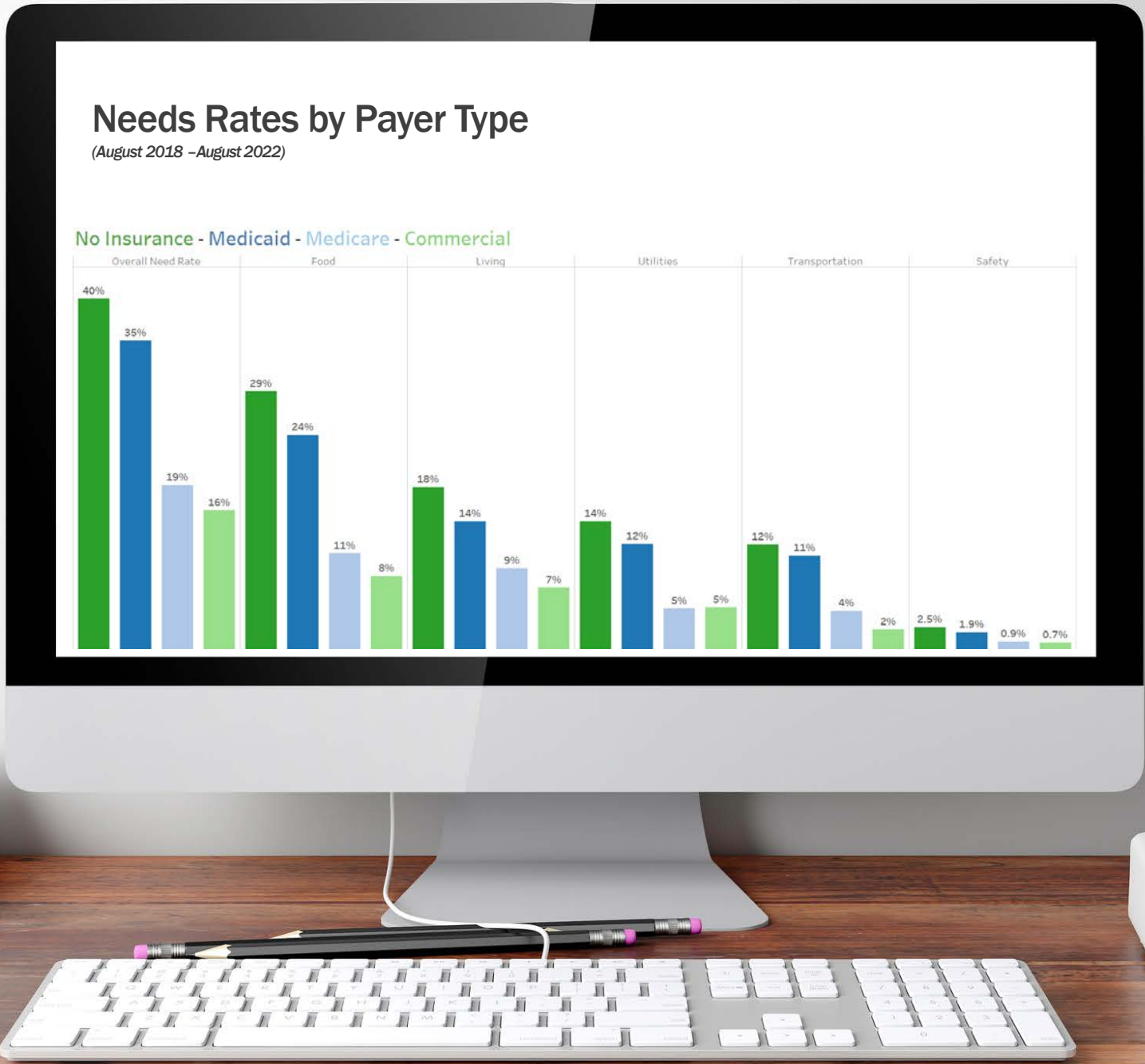


Tulsa Hospital B
In-Network % = 63.16%

Value Proposition:

- Understand care fragmentation and leakage
- Plan expansion, partnerships
- Identify risk points



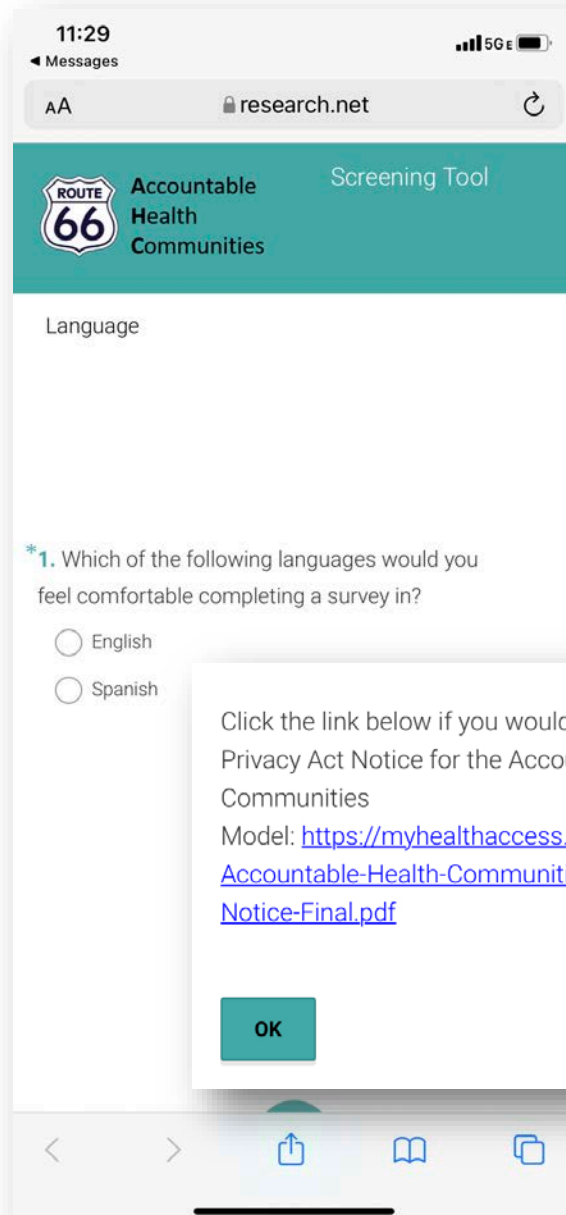
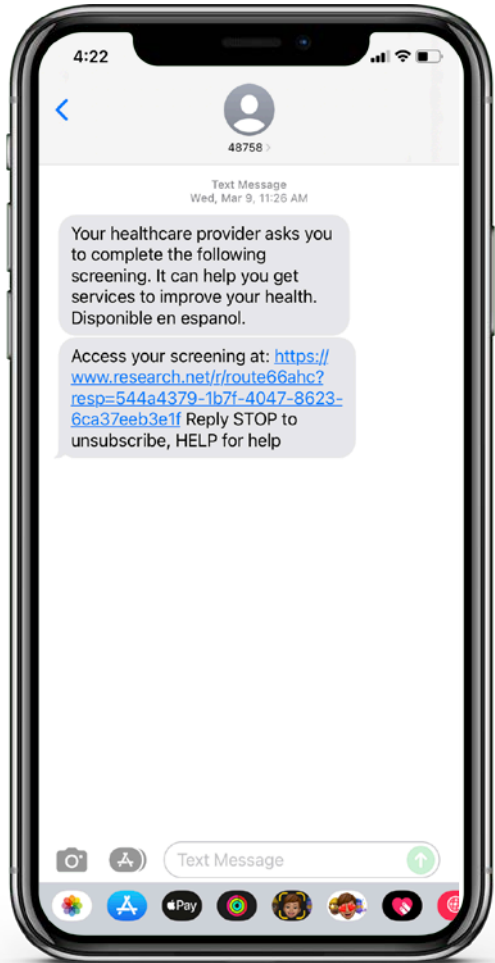


Value Proposition:

- Detect and address social needs without added staff burden
- Comply with JCAHO, other contract requirements
- Factor social needs into risk and treatment planning



Mobile Screening

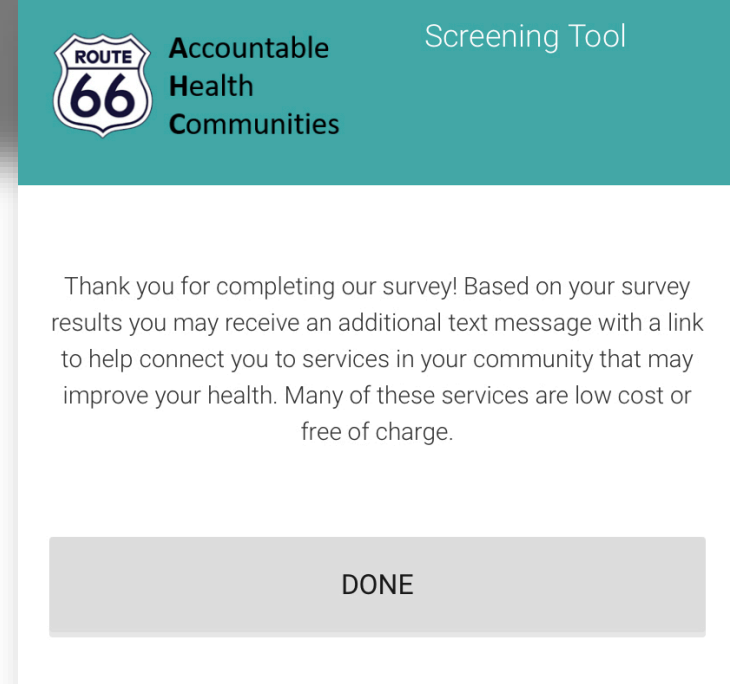


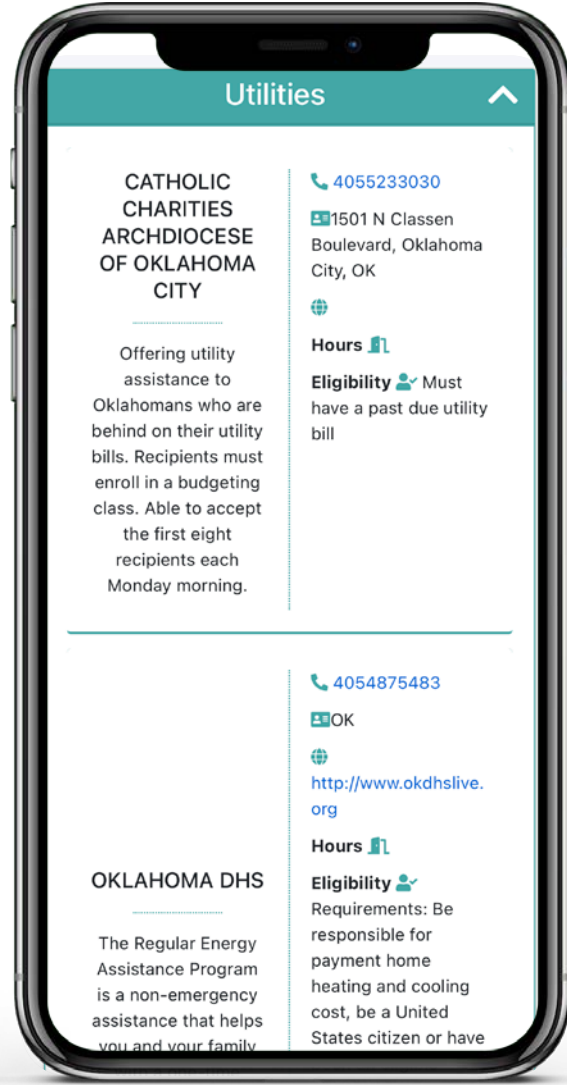
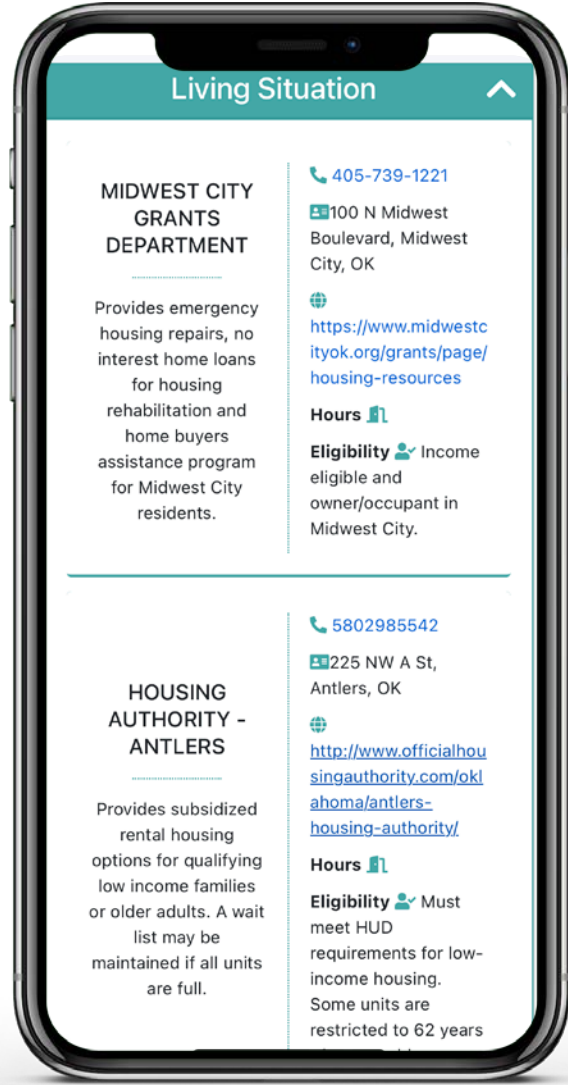
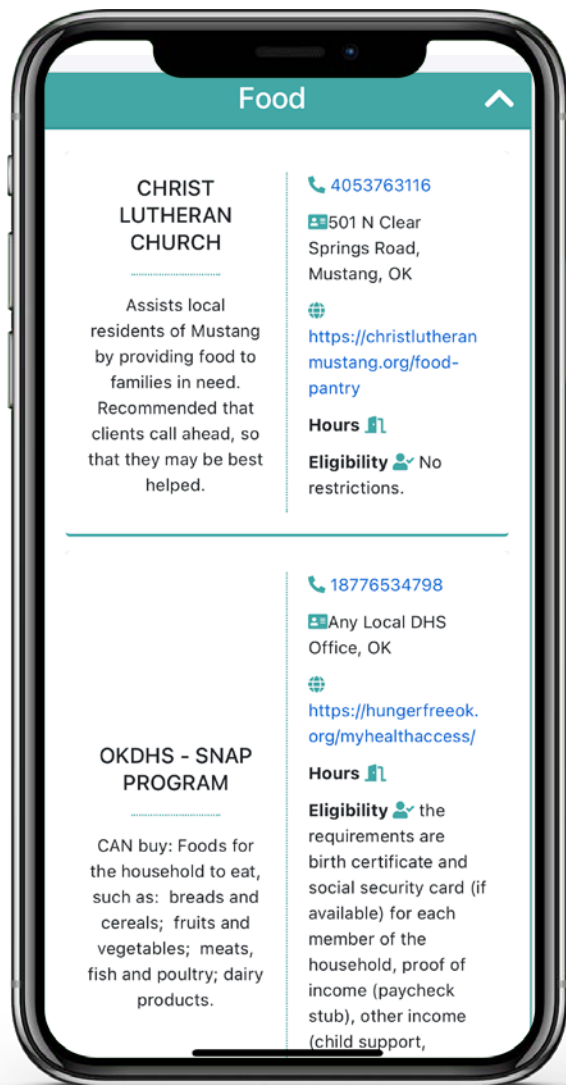
7. Within the past 12 months, you worried that your food would run out before you got money to buy more.

- Often true
- Sometimes true
- Never true

Click the link below if you would like to view the Privacy Act Notice for the Accountable Health Communities
Model: <https://myhealthaccess.net/MyHealth-Accountable-Health-Communities-Screening-Privacy-Notice-Final.pdf>

OK





Community Resource Summary

Texted back to patient after completion of the screening

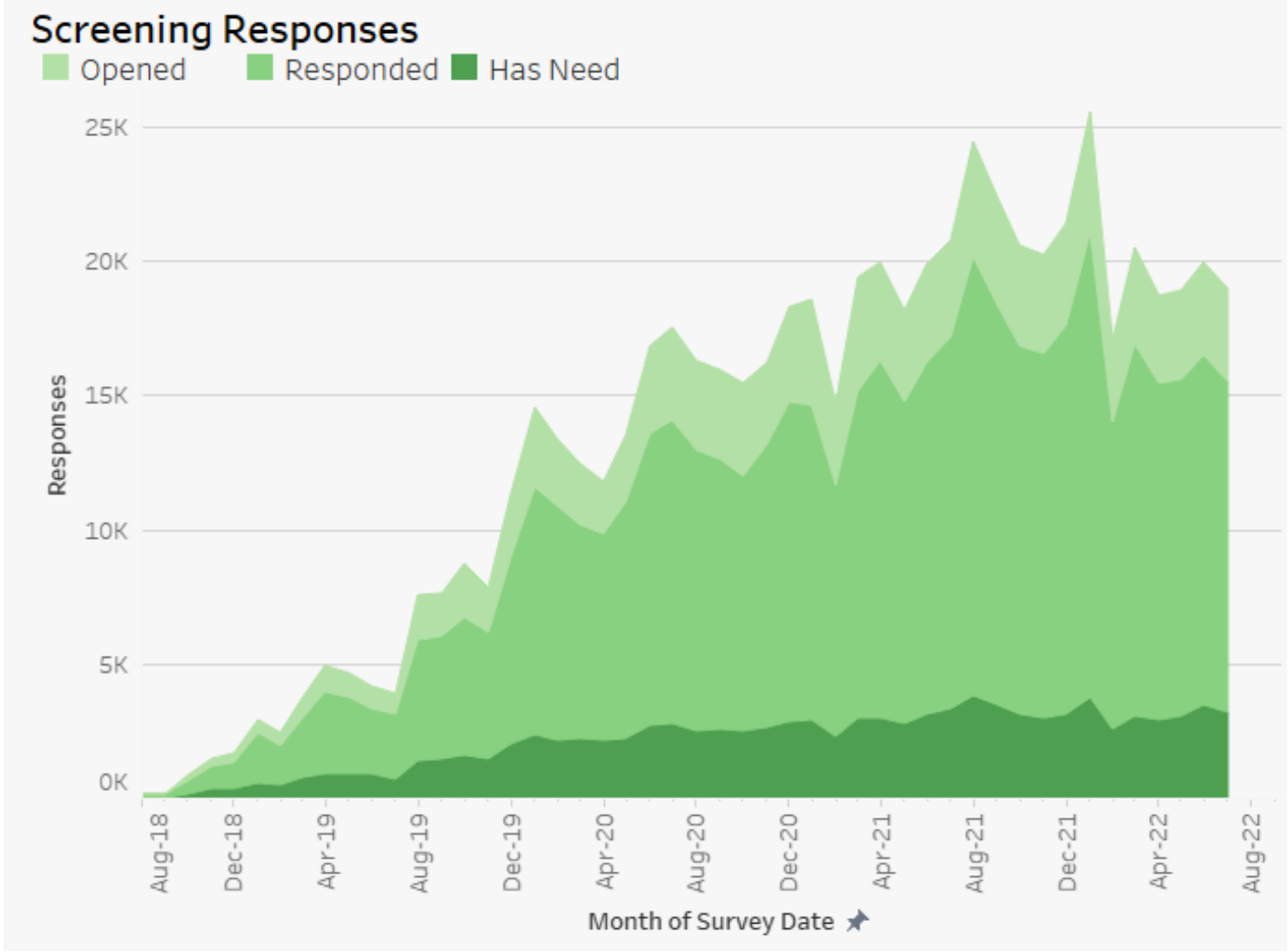


Every community resource summary includes information for 211

Accountable Health Communities

Final Screening Data

(August 2018 – July 2022) *AHC screening ended as of July 31, 2022

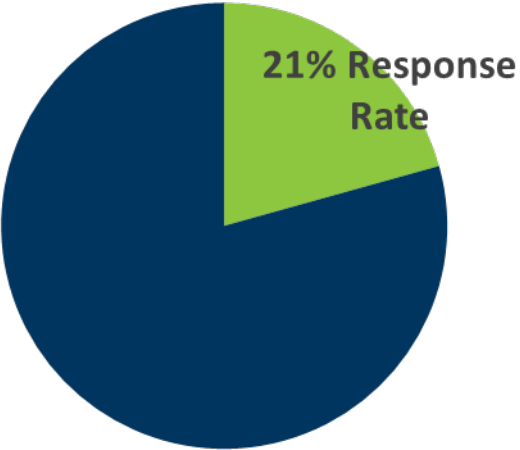
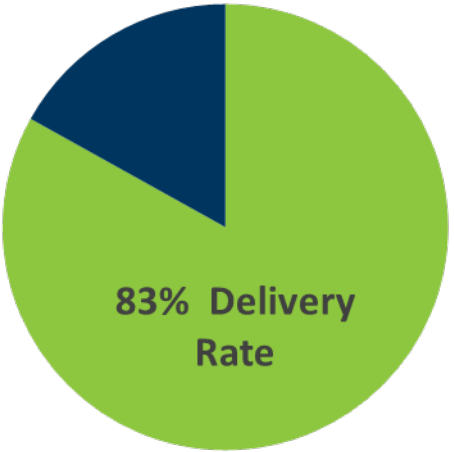


2,988,078 Offers to Screen

515,146 Responses

102,304 Responses with a Need

165,020 Individual Needs Reported



PRELIMINARY AHC OUTCOMES

Outcomes reported by CMS evaluation team



Medicaid Beneficiaries



Medicare Beneficiaries



TOTAL
EXPENDITURE



INPATIENT
ADMISSIONS



READMISSIONS



ED VISITS

PATHWAY TO PARTICIPATION

1

COMPLETE ONLINE APPLICATION AT www.Oklahoma.gov/ohca/okshine

2

GOVERNANCE REVIEW AND APPROVAL FOR MEMBERSHIP

3

COMPLETE AND RETURN THE FOLLOWING DOCUMENTS:

- PARTICIPATION AGREEMENT
- ORDER FORM
- TRUSTED HOST ADMINISTRATOR FORM
- NEW USER REQUEST FORM

4

PROVIDER PORTAL ROLL-OUT AND TRAINING

5

LIVE DATA FEED INTEGRATION

6

ELECTED ANALYTICS PRODUCTS BUILD AND DELIVERY

SUMMARY

- Oklahoma has a Single Unified HIE Effort
- Legislative Mandate to Transmit and Utilize (SB1369)
- MyHealth Operates the State HIE (SDE)
- Existing MyHealth members are already compliant
- HIE Enables improved Care and Care Coordination
- Additional benefits from notifications, care gap mgmt. and SDOH screening.
- Start the Process Online at;
 - www.Oklahoma.gov/ohca/okshine



OKLAHOMA
Health Care Authority

Q u e s t i o n s a n d A n s w e r s

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