

# OKLAHOMA'S STATEWIDE HEALTH INFORMATION EXCHANGE & OKSHINE PROGRAMS

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Chief Technology Officer &  
State Coordinator for Health Information Exchange  
Oklahoma Health Care Authority

HIE Office Hours – April 16, 2025



## Summary

### Strengths

- Low prevalence of excessive drinking
- High per capita public health funding
- High supply of mental health providers

### Challenges

- High prevalence of non-medical drug use
- High economic hardship index score
- High prevalence of physical inactivity

## Highlights

### Asthma

**28%**▲  
from 9.6% to 12.3% of adults between 2017 and 2022.

### Uninsured

**18%**▼  
from 14.3% to 11.7% of the population between 2019 and 2022.

### Premature Death

**17%**▲  
from 10,873 to 12,764 years lost before age 75 per 100,000 population between 2020 and 2021.

## Measures

	State Rank	State Value	U.S. Value
<b>Social &amp; Economic Factors</b>	<b>44</b>	<b>-0.639</b>	
<b>Community and Family Safety</b>			
Homicide (Deaths per 100,000 population)	34	8.6	7.7
Occupational Fatalities (Deaths per 100,000 workers)	34	5.2	3.9
Public Health Funding (Dollars per person)	15	\$222	\$183
<b>Economic Resources</b>			
Economic Hardship Index (Index from 1-100)	42	76	—
Food Insecurity (% of households)	45	14.3%	11.2%
Income Inequality (80-20 Ratio)	33	4.8	4.92
<b>Education</b>			
Fourth Grade Reading Proficiency (% of public school students)	48	24.0%	32.1%
High School Completion (% of adults ages 25+)	27	89.6%	89.6%
<b>Social Support and Engagement</b>			
Adverse Childhood Experiences (% of children ages 0-17)	41	18.3%	14.0%
High-Speed Internet (% of households)	44	91.0%	92.9%
Residential Segregation - Black/White (Index from 0-100)	15	59	—
Volunteering (% of population ages 16+)	30	23.6%	23.2%
Voter Participation (% of U.S. citizens ages 18+)	47	52.7%	59.5%
<b>Physical Environment</b>	<b>49</b>	<b>-0.340</b>	
<b>Air and Water Quality</b>			
Air Pollution (Micrograms of fine particles per cubic meter)	40	8.7	8.6
Drinking Water Violations (Average number of violations per community water system)	50	5.2	2.7
Water Fluoridation (% of population served)	32	68.0%	72.7%
<b>Climate and Health</b>			
Climate Policies (Number of four policies)	36	0	—
Climate Risk (% of population)*	45	72.6%	35.5%
Renewable Energy (% of total electricity generated)*	10	46.6%	20.5%
<b>Housing and Transit</b>			
Housing With Lead Risk (% of housing stock)	21	13.5%	16.5%
Severe Housing Problems (% of occupied housing units)	19	13.2%	16.7%
Transportation Health Risk (% of population)*	15	12.4%	24.0%
<b>Clinical Care</b>	<b>48</b>	<b>-1.509</b>	
<b>Access to Care</b>			
Avoided Care Due to Cost (% of adults)	47	14.7%	10.1%
Dental Care Providers (Number per 100,000 population)	32	58.2	66.6
Mental Health Providers (Number per 100,000 population)	12	432.3	334.9
Primary Care Providers (Number per 100,000 population)	43	305.6	232.0
Uninsured (% of population)	48	11.7%	8.0%
<b>Preventive Clinical Services</b>			
Childhood Immunizations (% of children by age 24 months)	45	65.9%	70.0%
Colonorectal Cancer Screening (% of adults ages 45-75)	44	55.8%	61.8%
Dental Visit (% of adults)	45	58.8%	66.0%
Flu Vaccination (% of adults)	38	41.2%	45.6%
HPV Vaccination (% of adolescents ages 13-17)	49	46.2%	62.6%
<b>Quality of Care</b>			
Dedicated Health Care Provider (% of adults)	39	81.0%	83.8%
Preventable Hospitalizations (Discharges per 100,000 Medicare beneficiaries ages 18+)	40	3.061	2.681
<b>Behaviors</b>	<b>47</b>	<b>-1.040</b>	
<b>Nutrition and Physical Activity</b>			
Exercise (% of adults)	48	15.6%	23.0%
Fruit and Vegetable Consumption (% of adults)	49	3.8%	7.6%
Physical Inactivity (% of adults)	47	29.5%	23.4%
<b>Sexual Health</b>			
Chlamydia (Cases per 100,000 population)	35	59.5	495.3
High-Risk HIV Behaviors (% of adults)	30	5.2%	5.7%
Ten Births (Births per 1,000 females ages 15-19)	47	24.1	13.9
<b>Sleep Health</b>			
Insufficient Sleep (% of adults)	24	35.5%	35.5%
<b>Tobacco Use</b>			
Smoking (% of adults)	39	15.4%	14.0%
<b>Health Outcomes</b>	<b>41</b>	<b>-0.435</b>	
<b>Behavioral Health</b>			
Drug Deaths (Deaths per 100,000 population)*	15	24.9	32.1
Excessive Drinking (% of adults)	4	14.4%	18.4%
Frequent Mental Distress (% of adults)	44	18.1%	15.9%
Non-medical Drug Use (% of adults)	38	16.2%	15.9%
<b>Mortality</b>			
Premature Death (Years lost before age 75 per 100,000 population)	42	12,764	9,478
Premature Death Racial Disparity (Ratio)	11	1.3	1.6
<b>Physical Health</b>			
Frequent Physical Distress (% of adults)	42	14.2%	12.4%
Low Birth Weight (% of live births)	30	8.8%	8.5%
Low Birth Weight Racial Disparity (Ratio)	24	2.0	2.1
Multiple Chronic Conditions (% of adults)	41	14.0%	11.2%
Obesity (% of adults)	48	40.0%	33.6%
<b>Overall</b>	<b>47</b>	<b>-0.709</b>	

\* Additional measures (not included in overall rank). For measure definitions, source details and methodology, visit [www.healthrankings.org](https://www.healthrankings.org)  
— Data not available, missing or suppressed.

# AGENDA

- Purpose / Why a Health Information Exchange?
- History, Common Questions, Legislation, & Framework
- HIE Incentive Programs / Eligible Provider Types
- HIE Progress & Capabilities
- Value for Providers
- Discussion / Questions

# WHAT IS AND WHY HEALTH INFORMATION EXCHANGE?

A Health Information Exchange (HIE) is a **secure system** that allows electronic sharing of a patient's medical record among different healthcare **providers involved in their care**.

The network is a digital hub where various doctors, nurses, care coordinators, pharmacists, mental health professionals, and other authorized healthcare professionals can access a patient's medical history in real-time.

Patient records are accessed within the network **according to HIPAA** and other **relevant state and federal laws**.

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 preventive care

Provide Clinical data to improve outcomes and support Healthier Oklahomans

**>90%** of Oklahomans have records in more than one health care delivery system

# COMMON QUESTIONS

- Fees are set by the state designated entity for providers that choose to participate
  - Participation **Fees vary based on Organization Type and Size**
  - **Connection Fees can be paid through** the Connection Fee Assistance Program.
  - **Incentives are available** for certain provider types that will in most case **exceed the annual costs of participation.**
- Privacy & Security
  - HIPAA Compliance: SDE HIE policies are **more restrictive** than HIPAA and **providers must be in a treatment relationship to access records** and attest to that at the time of access
  - No Substance Abuse 42 CFR Part 2 data, or psychotherapy notes go into the HIE.
  - Providers can **mark charts** or encounters as **sensitive**, and **not sent**.
  - Security: SDE technology is **HITRUST certified**, 10+ years operating
- Provider Choice / Patient Consent
  - **Patients have the right to opt-out** and prevent disclosure (No Break the Glass allowed)
  - **Mental health patients must affirmatively consent** to any data being shared by a participating provider.
  - **Providers have a choice in participation**; all exemption requests will be granted.

# 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.
- **Designated** that a health information exchange organization be named **state-designated entity for health information exchange (operations) be named** and overseen by the Coordinator.
- Defined the Health Information Exchange **Organization** as one **governed by its stakeholders**.
- Patient-specific protected health **information shall only be disclosed in compliance with relevant state or federal privacy laws**
- **Provided for Tort protection** for providers who use or do not use HIE data
- Data ownership remains in the property of the source providing.
- Declared a mandate that **“all providers shall”** participate in the statewide HIE **by July 1, 2023**.
- Coordinator may grant **exemptions**

## SB 32X

- Provided \$21 Million for one-time connection fees to the HIE for Oklahoma providers

## SB 1337

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

## HB 3556

- Changed Language to **“all providers may”** participate in the statewide – Final Rules Reflect Choice

# **INCENTIVES FOR HIE PARTICIPATION**

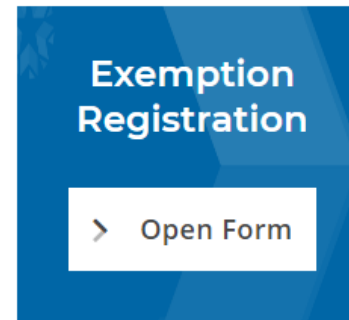
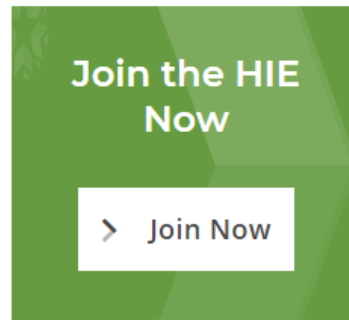
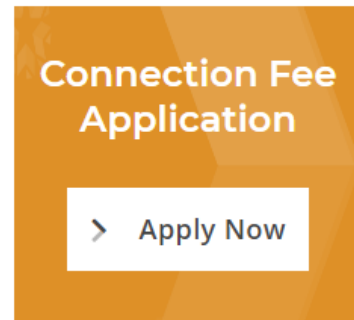
**Connection Fee Assistance Program**

**SoonerSelect Provider Incentive Program**



# 1. CONNECTION FEE ASSISTANCE

- 2023 Legislative appropriation of \$30 million specific for HIE connection funding
  - Any Organization that employs licensed Health Care providers in the State of Oklahoma is eligible.
  - Covers **all one-time fees** from EHR Providers and MyHealth to get providers connected, other related fees may be considered.
  - Funding may not always be available:
    - Carry-over remaining funds to FY25
    - 2024 Legislature approved pool for FY2025 of \$21 Million.



Secure Connection Fee Assistance now! Apply at <https://okshine.ok.gov>

## 2. SOONERSELECT PROVIDER INCENTIVE PROGRAM

- Eligible Provider Types:
  - Advance practice nurses, mid-level practitioners, **mental health providers** and licensed behavioral health practitioners, podiatrist, physician, or anesthesiologist assistant.
- Exceptions
  - Behavioral Health Services by Mental Health professionals and Licensed Behavioral Health Practitioners at Community Mental Health Centers are excluded as they participate in a separate directed payment program.
  - Services rendered by state employed or contracted physicians are excluded as they participate in a separate directed payment program.
  - Services at Federally Qualified Health Centers, Rural Health Clinics, and IHS/Tribal clinics are excluded.
  - Services for Medicaid population not transitioning to SoonerSelect (such as ABD) are excluded



## 2. SOONERSELECT PROVIDER INCENTIVE PROGRAM

- Eligible providers can receive an estimated 28% increase in base fee schedule reimbursements for qualifying care and services.
  - **+18.5%** base fee schedule increase for providers participating in SoonerSelect.
  - **+9.25%** for SoonerSelect Medicaid providers who participate in the HIE (send data & utilize) including;
    - Membership in Good Standing with Oklahoma State Designated Entity, MyHealth Access Network.
    - Live (or demonstratably in progress) Connection from the provider's EMR to the HIE (SSO must be included for larger practices).
    - Program Q1 – Q5, (April 2024 – June 2025) does not require a set utilization metric target
      - Note: Future Quarters will likely require demonstrated increase in Utilization by the Organization/Provider)

# 2. SOONERSELECT PROVIDER INCENTIVE PROGRAM

## AVERAGE PROGRAM PAYOUT EXAMPLES (APRIL 2024 – DECEMBER 2024)

Facility/Clinic Type	Avg Individual Providers	Avg Qualified Medical Billings	Avg SoonerSelect Incentive Payment	Avg Total Amount Paid for HIE Participation	HIE Participation Cost for per Quarter	Avg Net to Organization
Major Hospital System	831	\$4,280,864.81	\$1,234,823.32	\$395,980.00	\$71,249.64	\$974,191.08
Large Clinic Group	55	\$361,704.31	\$100,406.28	\$33,457.65	\$5,609.52	\$83,544.39
Small Clinic Group	1	\$18,991.89	\$5,478.58	\$1,756.75	\$165.00	\$4,775.25
Large Behavioral Health Group	186	\$2,739,410.44	\$760,214.15	\$253,404.72	\$13,635.36	\$719,308.08
Small Behavioral Health Group	3	\$87,062.75	\$24,159.92	\$8,053.31	\$165.00	\$23,664.93

# HEALTH PROVIDERS ELIGIBLE FOR THE INCENTIVE PROGRAM

Provider Type	Specialty
09 - Advance Practice Nurse	092 - Clinical Nurse Specialist
	093 - Certified Nurse Practitioner
	094 - Certified Registered Nurse Anesthetist (CRNA)
	095 - Certified Nurse Midwife
	096 - CNP Allergist
	097 - Psychiatric/Mental Health APRN
10 - Mid-Level Practitioner	100 - Physician Assistant
	102 - PA Allergist
	569 - Addiction Medicine
11 - Mental Health Provider	112 - Psychologist
	115 - Licensed Clinical Social Worker
	116 - Certified Social Worker
	119 - Family Training
	121 - Licensed Professional Counselor
	123 - Para Professional
14 - Podiatrist	140 - Podiatrist

Provider Type	Specialty
31 - Physician	272 - Oral Surgeon
	310 - Allergist
	311 - Anesthesiologist
	312 - Cardiologist
	313 - Cardiovascular Surgeon
	314 - Dermatologist
	315 - Emergency Medicine Practitioner
	316 - Family Practitioner
	317 - Gastroenterologist
	318 - General Practitioner
	319 - General Surgeon
	320 - Geriatric Practitioner
	321 - Hand Surgeon
	322 - Internist
	323 - Neonatologist
	324 - Nephrologist
	325 - Neurological Surgeon

# HEALTH PROVIDERS ELIGIBLE FOR THE INCENTIVE PROGRAM (CONT)

Provider Type	Specialty
31 - Physician	326 - Neurologist
	327 - Nuclear Medicine Practitioner
	328 - Obstetrician/Gynecologist
	329 - Oncologist
	330 - Ophthalmologist
	331 - Orthopedic Surgeon
	332 - Otologist, Laryngologist, Phonologist
	333 - Pathologist
	334 - Pediatric Surgeon
	335 - Maternal Fetal Medicine
	336 - Physical Medicine and Rehabilitation Practitioner
	337 - Plastic Surgeon
	338 - Proctologist
	339 - Psychiatrist
	340 - Pulmonary Disease Specialist
	341 - Radiologist

Provider Type	Specialty
31 - Physician	342 - Thoracic Surgeon
	343 - Urologist
	344 - General Internist
	345 - General Pediatrician
	346 - Dispensing Physician (1 active provider)
	347 - Radiation Oncologist
	348 - Abdominal Surgery
	349 - Adolescent Medicine
	350 - Critical Care
	351 - Diabetes
	352 - Endocrinology
	353 - Geriatric Psychiatry
	354 - Gynecological Oncology
	355 - Hematology
	356 - Hematology Oncology
	357 - Immunology

# HEALTH PROVIDERS ELIGIBLE FOR THE INCENTIVE PROGRAM (CONT)

Provider Type	Specialty
31 - Physician	358 - Infectious Diseases
	359 - Internal Medicine Pediatrics
	520 - Laryngology
	521 - Maxillofacial Surgery (3 active providers)
	522 - Musculoskeletal Oncology
	523 - Neurology Child
	524 - Occupational Medicine
	525 - Pain Medicine
	526 - Pediatric Critical Care Medicine
	527 - Pediatric Emergency Med (Pediatrics)
	528 - Pediatric Endocrinology
	529 - Pediatric Gastroenterology
	540 - Pediatric Hematology Oncology
	541 - Pediatric Infectious Disease
	542 - Pediatric Nephrology
	543 - Pediatric Ophthalmology

Provider Type	Specialty
31 - Physician	544 - Pediatric Orthopedics
	545 - Pediatric Otolaryngology
	546 - Pediatric Pathology
	547 - Pediatric Pulmonology
	548 - Pediatric Rheumatology
	549 - Pediatrics Allergy
	550 - Pediatrics Cardiology
	551 - Pediatric Surgery (Neurology)
	552 - Pediatric Urology
	553 - Psychiatry Child
	554 - Pulmonary Diseases
	555 - Rheumatology
	556 - Rhinology
	557 - Sports Medicine
	558 - Surgery Colon & Rectal
	559 - Surgery Head & Neck

# HEALTH PROVIDERS ELIGIBLE FOR THE INCENTIVE PROGRAM (CONT)

Provider Type	Specialty
31 - Physician	560 - Surgery Pediatric
	561 - Surgery Traumatic
	562 - Transplant Surgery
	563 - Neonatal Perinatal Medicine
	565 - Sleep Medicine
	566 - Medical Resident in Training
	568 - Family Practice Obstetrics
	569 - Addiction Medicine
53 - Licensed Behavioral Health Practitioner	093 - Certified Nurse Practitioner
	115 - Licensed Clinical Social Worker
	121 - Licensed Professional Counselor
	535 - Licensed Mental Health Professional – LBP
	536 - Under Supervision
	585 - Licensed Marital and Family Therapists
	586 - Licensed Alcohol and Drug Counselor
	587 - LADC/MH

Provider Type	Specialty
11 - Mental Health Provider	110 - Outpatient Mental Health Clinic
60 - Anesthesiologist Assistant	101 - Anesthesiologist Assistant

# HEALTH PROVIDERS EXCLUDED FROM THE INCENTIVE PROGRAM

## Exclusions

- Payments made for services rendered at or by providers or organizations with the following types and specialties are not included in the incentive payment calculation.

Provider Type	Specialty
02 - Ambulatory Surgical Center (ASC)	022 – ITU Ambulatory Service Center
08 - Clinic	080 - Federally Qualified Health Center 081 - Rural Health Center 084 - ITU Outpatient Clinic 086 - Dental Clinic 087 - OT/PT/ST/RT Group 106 - ITU Inpatient Service 184 - Hospital Based Rural Health Clinic 185 - Free Standing Rural Health Clinic

Provider Type	Specialty
11 - Mental Health Provider	111 - Community Mental Health Clinic 118 - Department of Mental Health and Substance Abuse Services (DMHSAS) Contracted Provider
13 - Public Health Agencies	All Specialties
26 - Transportation Provider	268 - ITU Ambulance
52 - State Employed Physicians	All Specialties

# **HIE PROGRESS & FRAMEWORK**





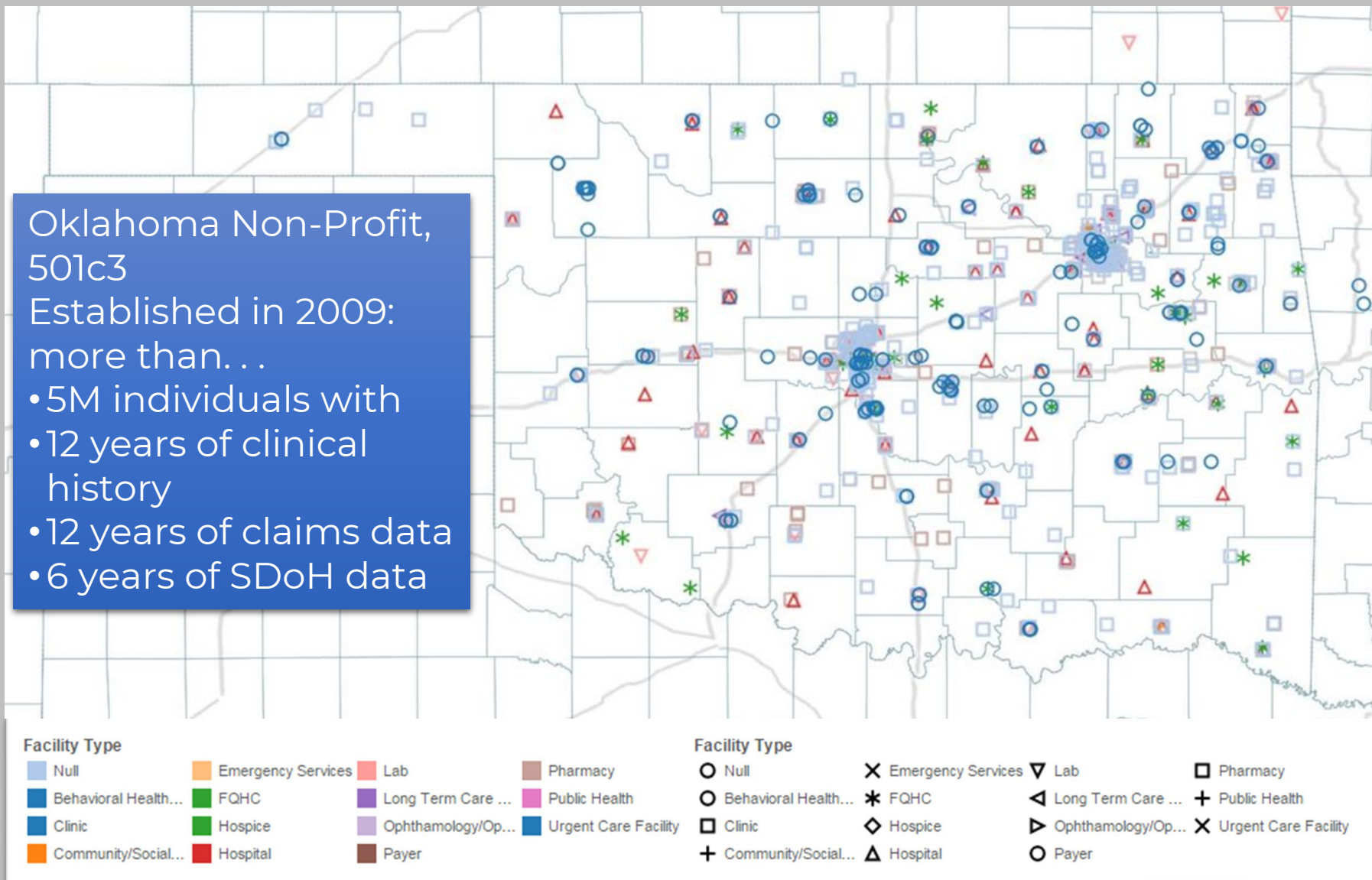
# HIE PROGRESS

- Progress Statistics
  - Averaging >50,000+ Unique Patient's records accessed monthly
    - **200%+ increase in Utilization from Sept 2022**
  - Over 500 organizations actively participate in the HIE serving patients in 1500+ Locations
    - **200+ Organizations joined since July 2022; membership nearly doubled!**
  - SoonerSelect Dental & Medical MCE's Contracted, Trained and Connected
    - ADT / care fragmentation available are in use at MCE's who have elected to receive.
  - Connection Fee Grants Awarded: **480**
    - Over **200+** Organizations Actively working on connecting – Optimization in Process
    - EMR Connection Fees now eligible for reimbursement.
  - SoonerSelect Directed payments (April 2024 – June 2025)
    - Plan Q1 (04/24-06-24) Closed – Payments Issued \$12M / HIE Incentive \$2M
    - Plan Q2 (07/24-09-24) Closed– Payments Issued \$37M / HIE Incentive \$7M
    - Plan Q3 (Oct24-Dec24) – Payments Issued \$26M / HIE Incentive \$5.5M
    - Continues through June 2025 (Planning to extend to SFY26, working with CMS)

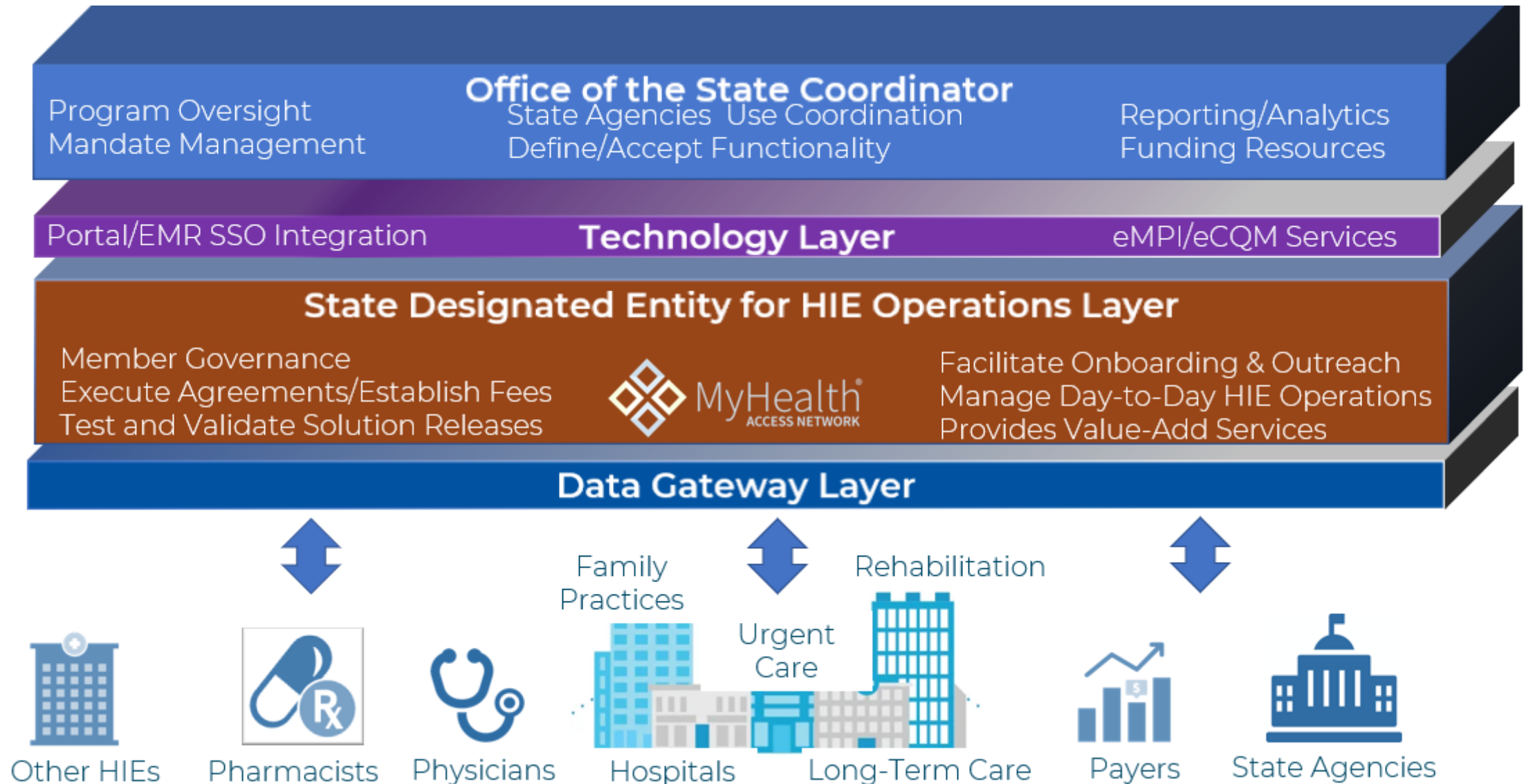
Oklahoma Non-Profit,  
501c3

Established in 2009:  
more than...

- 5M individuals with
- 12 years of clinical history
- 12 years of claims data
- 6 years of SDoH data



# HIE FRAMEWORK



# DIVISION OF RESPONSIBILITY

## Office of State HIE

- Select and oversee the state designated entity
- Implement laws and rules related to HIE
- Represent the state in SDE governance
- Seek funds / incentives to support providers in adopting the HIE



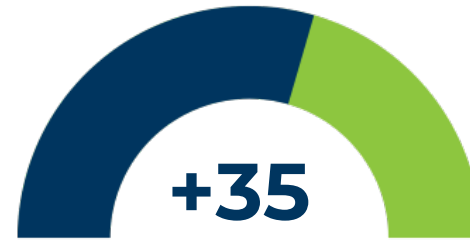
## State Designated Entity

- Stakeholder-governed operator of HIE
- Establish policies for data exchange and utilization
- Establish pricing for services
- Outreach and Onboard participants
- Ensure patient rights are protected & data secured



# WHAT USERS ARE SAYING

## Net Promoter Score



### Clinician

I am seeing a new patient and need access to previous studies to aid in determining next steps of care. Traditional records requests can take weeks, or I can use MyHealth and see reports within minutes.



### Care Manager

A client came in with psychosis and said they had no medication allergies. However, after looking in MyHealth, I was able to confirm a medication allergy. We have this medication in our inventory and could have administered it had we not had this information available.



### Clinician

As patients age and see more providers their ability to maintain records becomes increasingly difficult. My Health Access Network is an excellent and easy to use caveat for healthcare professionals to streamline the process of record keeping and enhance communication across all healthcare disciplines

# **HIE CAPABILITIES & COVERAGE**

**MyHealth Access Network - The  
State Designated Entity for Health  
Information Exchange**



# CAPABILITIES



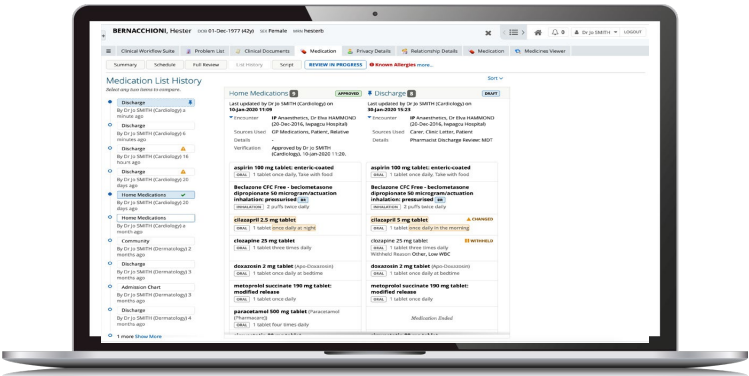
Care Coordination/  
Records Aggregation



Single Sign-On  
(Access from inside EMR)



Quality/Care  
Gap Mgmt.,



Portal & EMR Integrated Access



Clinical and  
Claims  
Data Integration



Real-time  
Notifications (CoP)  
Care  
Fragmentation  
Reporting



Social Determinants  
of Health Screening



Public Health  
Reporting



# SINGLE SIGN-ON

Pivotal in Strategy to increase utilization

- Access to HIE in patient context!
- No Login
- No Searching

The screenshot displays a medical software interface for a patient named Jane Test. The interface includes a sidebar with navigation options such as TOC, MyHealth HIE, Nursing Communications, Orders, I-View, MAR, MAR Summary, Medication Request, Results, Vitals, Advanced Growth Chart, Allergies, CC Summary, Core Measure Data, ED Summary, Forms, Inpatient Summary, Notes, Lab, Medication List, Pt Care Summary, Rad, Vitals, Tasks, and Patient Information. The main content area shows patient information, admission documentation, reason for visit (Chest Pain), allergies, vital signs, and encounters. A provider portal overlay is visible, showing patient charts, demographics, and a summary of allergies and encounters. The provider portal URL is provider.myhealthaccess.net/dashboards. The interface also includes a search bar, a sign out button, and a footer with privacy policy and end user license agreement information.

**Patient Information**

Test, Jane | Female | 24 Years | ISOL: Contact | DOB: 01/01/2000 | MRN: S 10000000 | Loc: S Cath | Pt # S 2000000000 | AdmSts: Outpatient/Same Day... Sts: Inpatient, Active, Inpatient, Chest Pain

**Admission Documentation**

Result	Result	Author	Date/Time
Is Patient Pregnant	No	Doe, John	Doe, John
Patient Admitted From	Yes	Smith, Mary	Smith, Mary
Patient Preferred Name	-	Smith, Mary	Smith, Mary
Screening Test Score	0?	Smith, Mary	Smith, Mary

**Reason for Visit**

Chest Pain  
Modified: Doc, Jane Doe JUL 10, 2024 14:00

**Allergies**

Substance	Severity
Penicillin	Anaphylaxis
Shellfish	Moderate
Aspirin (ASA)	Moderate
Lactose	Moderate

**Vital Signs**

Vital Sign	Interpretation	Value
BP		120 / 80
P		73 bpm
RR		12 bpm
T		98.6 F
Ht		66 in
Wt		248 lb
BMI		24
BSA		

**Encounters**

Encounter Type	Admit - Discharge
Ambulatory	07/01/2024 12:55 - 06/01/2024 09:05

**Provider Portal**

provider.myhealthaccess.net/dashboards

**Patient Charts**

Test, Jane (F, 24)  
DOB: 01/01/2000

**Demographics**

Address: 2542 ST, TULSA, OK 74104, US  
Home: (918)579-2000; (918)579-2000  
VACCIN OPTIMUM NO INSURANCE SELF PAY

**Summary**

**Allergies**

Allergen	Reaction	Comment	Date	Status	Source
PCN			11/15/2021	Active	OUHSC-OKC
GLEEVEC	Reaction: Angioedema		03/16/2021	Active	OUHSC-OKC
ACE INHIBITORS	Reaction: Angioedema		11/09/2020	Active	OUHSC-OKC
CODEINE			01/03/2018	Active	OUHSC-OKC
TAPE	Reaction: Hives		02/10/2014	Active	OUHSC-OKC
PEANUT	Reaction: throat swells		02/28/2013	Active	OUHSC-OKC
PENICILLIN	Reaction: itching, hives		12/04/2012	Active	OUHSC-OKC

**Encounters**

Encounter Type	Admit - Discharge Dates	Source
Ambulatory	05/18/2024 12:55 - 05/18/2024 12:52	St John Clinics
Ambulatory	01/23/2024 15:00 - 01/23/2024 15:45	St John Clinics
Ambulatory	12/12/2023 12:13 - 12/12/2023 00:00	OU Health
Ambulatory	04/17/2023 11:31 - 03/21/2023 12:24	Ardent Health Services
Ambulatory	11/29/2022 11:22 - 11/19/2022 23:45	OUHSC-OKC
Ambulatory	11/19/2022 23:36 - 08/30/2022 11:54	OUHSC-OKC
Ambulatory	08/16/2022 08:15 - 08/09/2022 10:48	OUHSC-OKC
Ambulatory	08/09/2022 10:48 - 08/09/2022 10:48	OUHSC-OKC





**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

[Show more results](#)

**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

**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	01/27/2022 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 09:48
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

[Show more results](#)

**Immunizations**

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

[Show more results](#)

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

Panel	Test	Value	Interpret
10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00
10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00
10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00
10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00
10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00	10/10/2021 00:00

[Privacy Policy and Notice of Information Practices](#)

## Value Proposition:

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

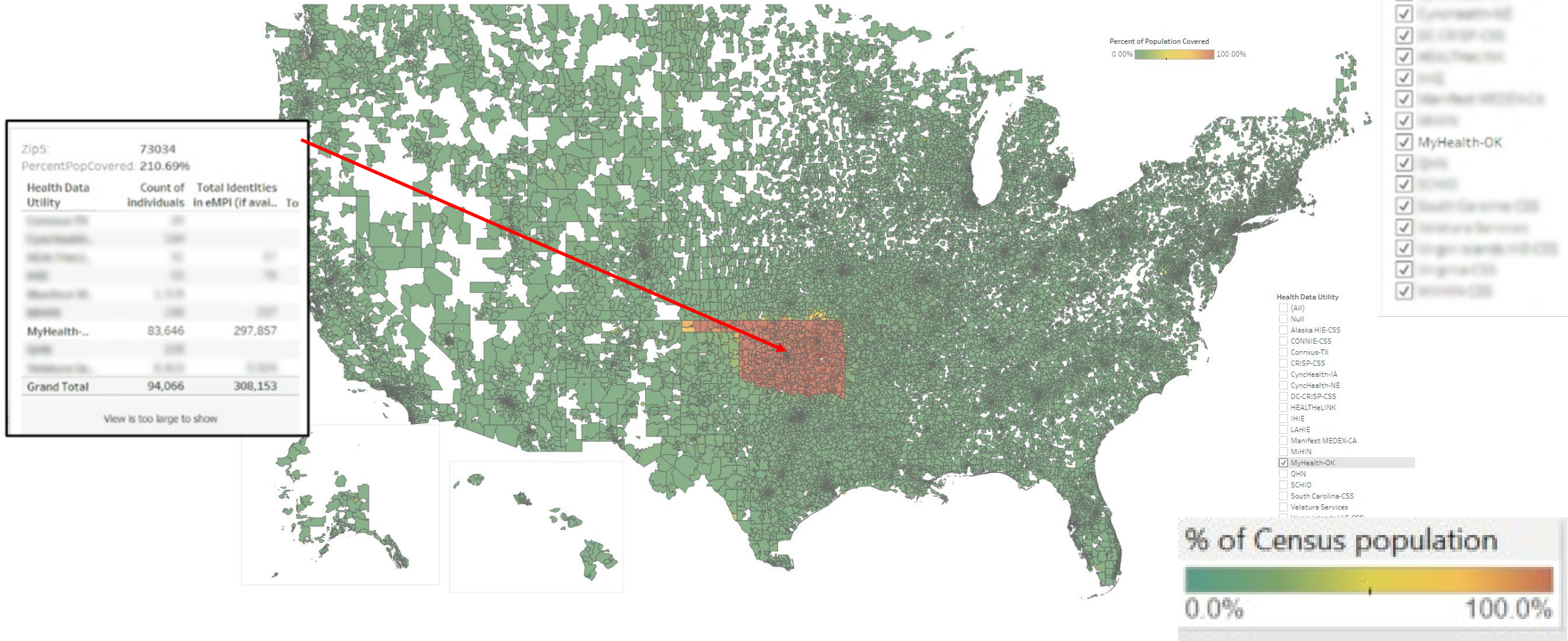
# PATIENT CHART SUMMARY

The following are examples of categories recorded in a patient's HIE chart, including the types of data captured and the source associated with each dataset.

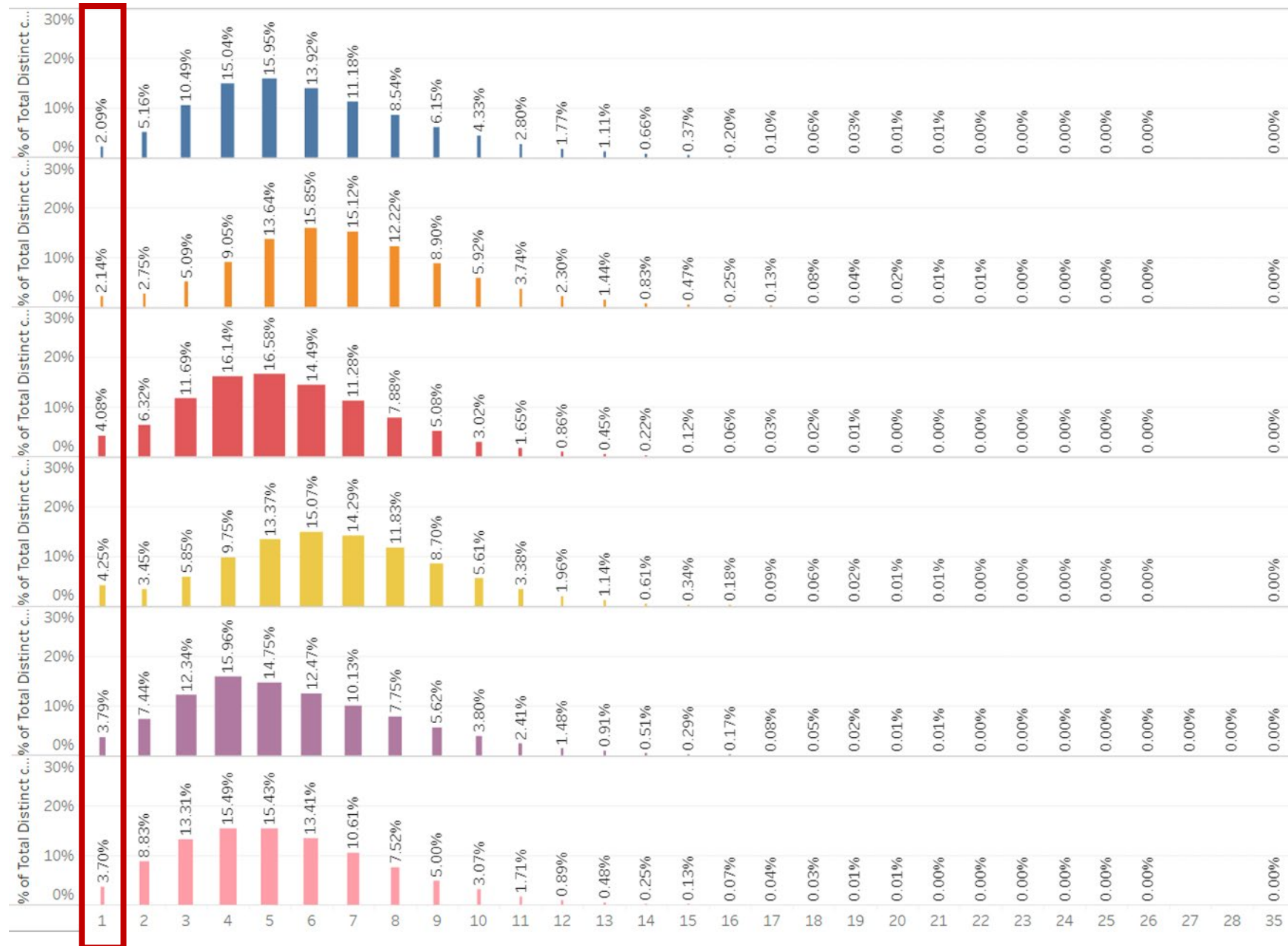
Allergies	• Allergen, Reaction, Comment, Date, Status (Active/Inactive)
Dispensed Medication	• Medication, Pharmacy, Date Filled
Documents	• Description, Created
Encounters	• Encounter Type, Admit – Discharge Dates
Equipment Devices	• Device, Date Implanted, Body Location
Family History	• Problem/Condition, Onset Date
Immunizations	• Immunization, Administered Date
Insurances	• Insurance Name, Effective Dates
Labs	• Panel, Test, Value, Interpretation, Trendline, Elapsed Time, Status & Range
Medication	• Medication, Route, Start/End Dates, Date Written
Patient Relationships	• Name, Phone, Relationship
Problems	• Problem/Condition, Code, Onset Date
Procedures	• Procedure, Date
Radiology	• Test, Date, Ordering Provider
Social History	• Social History, Onset Date
Vital Signs	• Vital Sign, Interpretation Time, Value, Elapsed Time



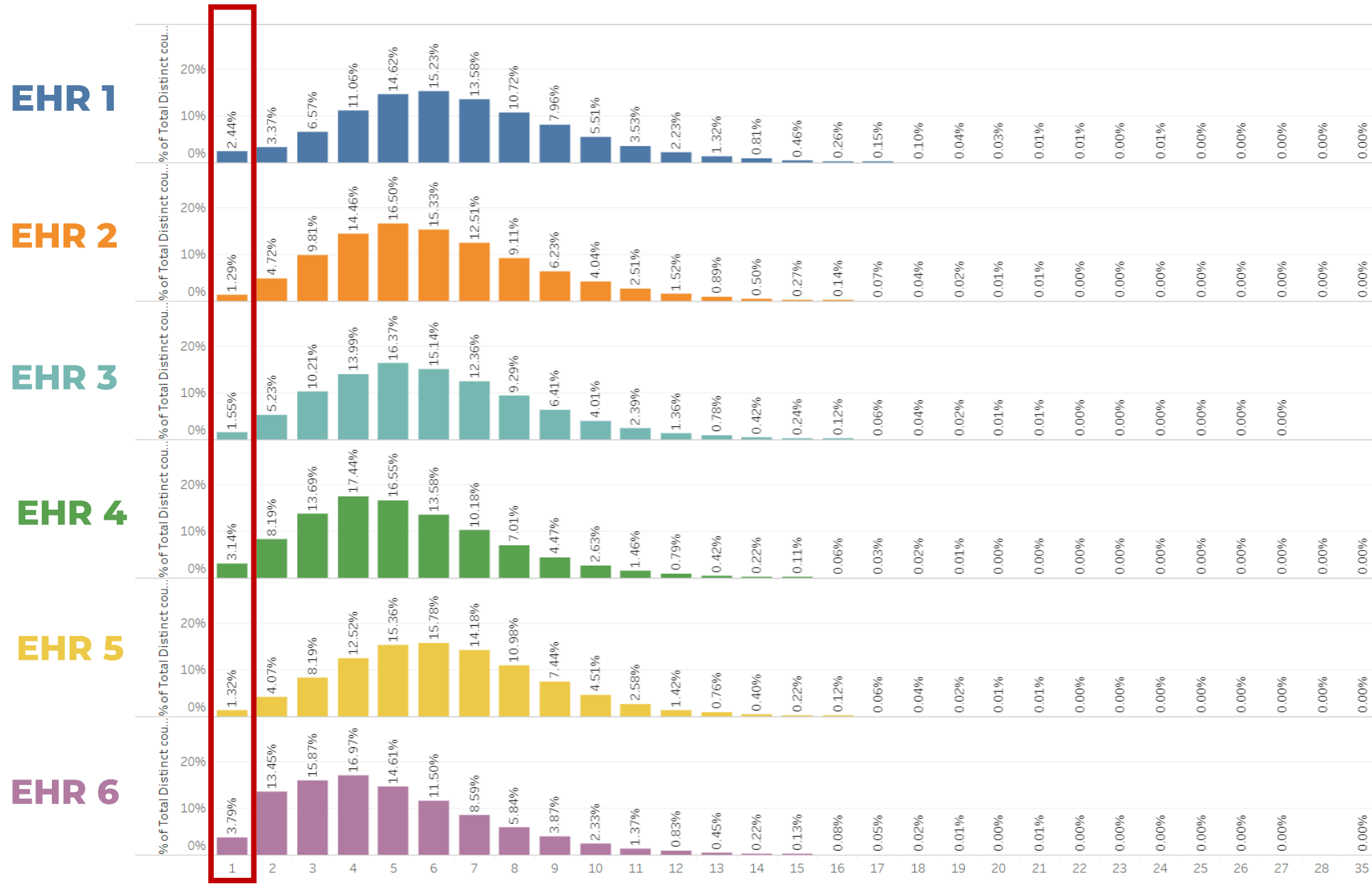
# US HIE PATIENT POPULATION / DATA DENSITY



## HEALTH SYSTEM F



# FRAGMENTATION BY EHR VENDOR



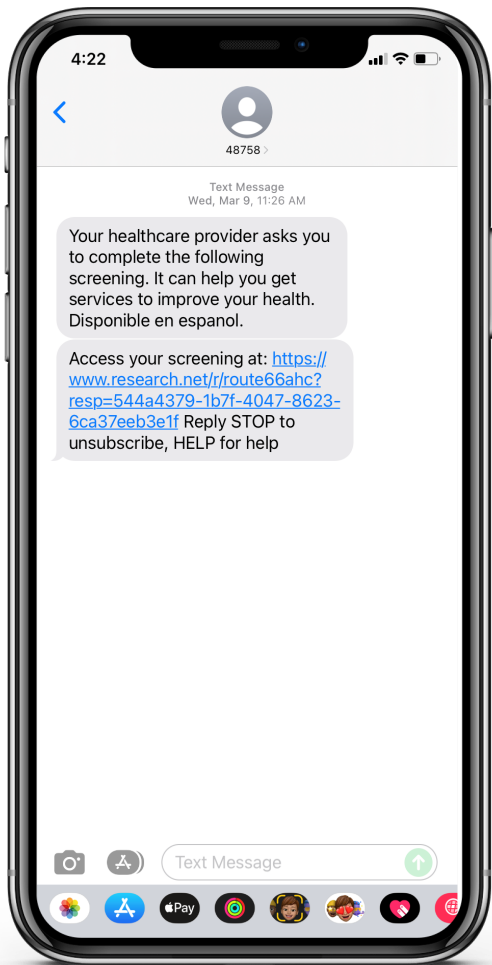
# ADDITIONAL VALUE CAPABILITIES

Social Drivers of Health






# SDOH Mobile Screening



11:29  
Messages

AAresearch.net

Accountable Health Communities

Screening Tool

Language

\*1. Which of the following languages would you feel comfortable completing a survey in?

☐ English

☐ Spanish

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

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

9. In the past 12 months, has lack of reliable transportation kept you from medical appointments, meetings, work or from getting to things needed for daily living?

☐ Yes

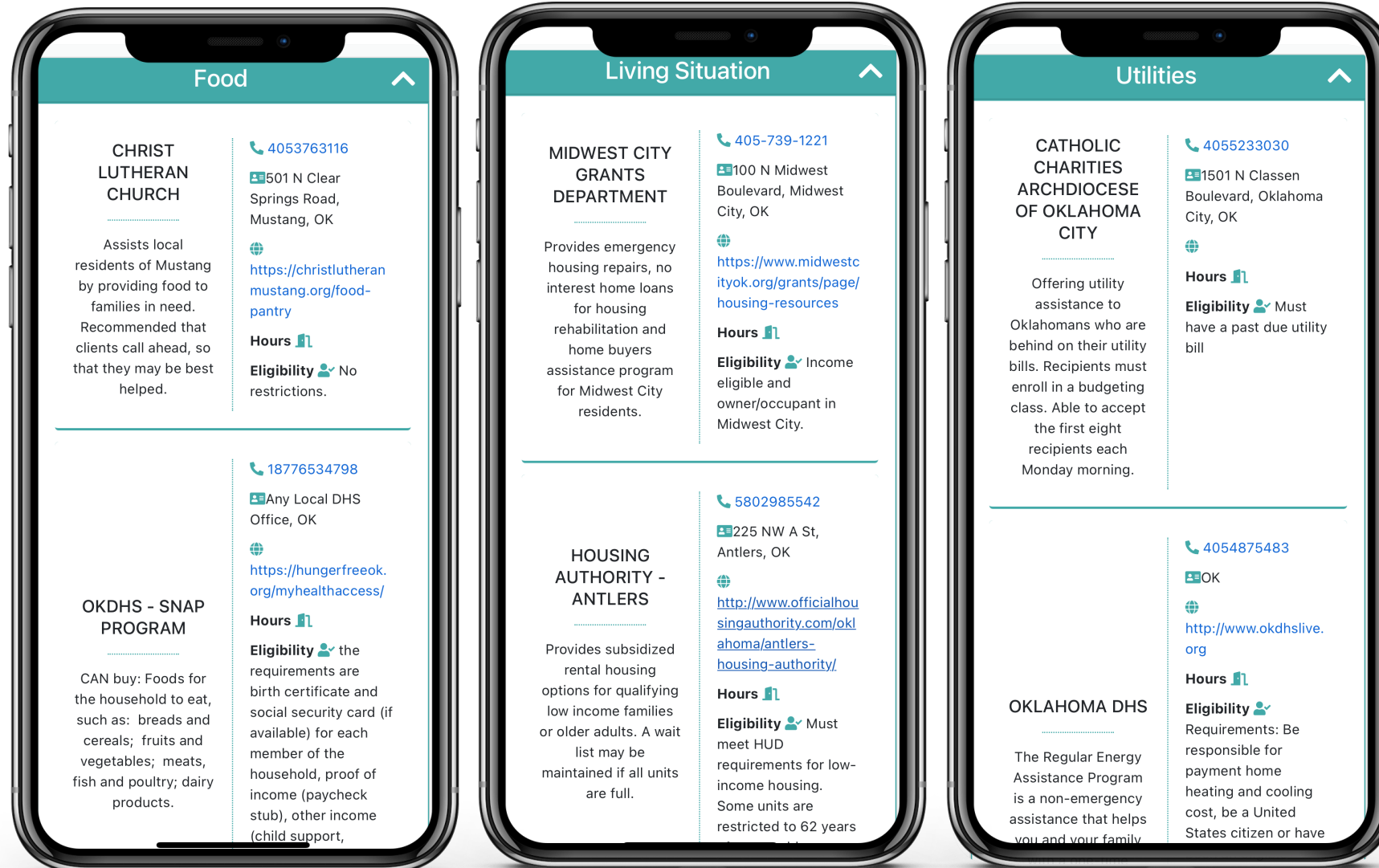
☒ No

Accountable Health Communities

Screening Tool

Thank you for completing our survey! Based on your survey results you may receive an additional text message with a link to help connect you to services in your community that may improve your health. Many of these services are low cost or free of charge.

DONE



# Community Resource Summary

Texted back to patient after completion of the screening

\*Every community resource summary includes information for 211\*





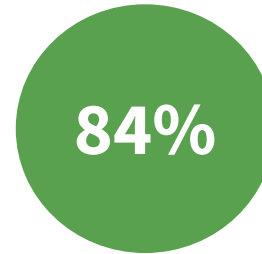
# SDOH PROGRAM METRICS

*AUGUST 2018 – MARCH 2025*

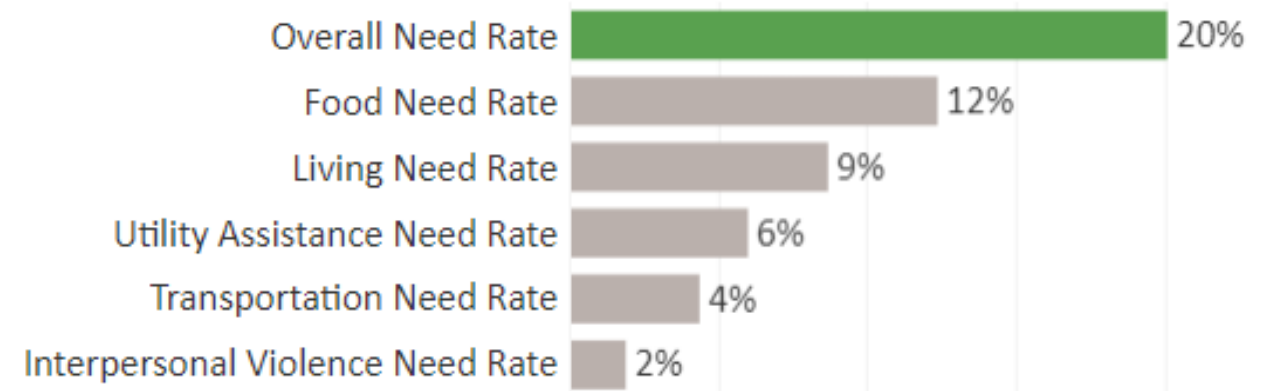
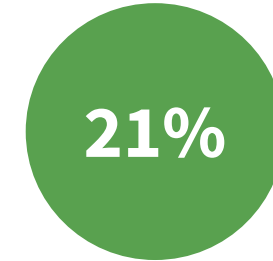
## By the numbers:

- ✓ **5.4+** million offers to screen
- ✓ **931,000+** responses
- ✓ **191,000+** responses with needs
- ✓ **317,000+** individual needs reported

Screening Delivery Rate



Screening Response Rate



**24%** of responses report 2+ needs

average of **1.7** needs are reported per need positive screening

**85%** of responses with a living need is due to living conditions\* rather than having a place to stay

*\*Living condition issues include lack of heating, lead paint or pipes, mold, oven or stove not working, pests, missing or not working smoke detectors, and water leaks*

# PROVIDER PORTAL – SOCIAL NEEDS RESULTS (IN DEV)

Patient Charts

TEST, ZZ TEST (F, 24)  
DOB: 01/01/2000

Demographics

Print full chart

Address: 2542 ST, TULSA, OK 74104, US  
Home: (918)579-2000; (918)579-2000

VACCIN OPTUM  
NO INSURANCE  
SELF PAY

Summary

Social Needs Screening

Panel	Domain	Question	06/15/24	10/11/23
Accountable health communities (AHC) health related social needs screening (HRSN) (96777-8)	Living Situation	What is your living situation today? (71802-3)	I have a steady place to live (LA3193-1)	I have a place to live today, but I am worried about losing it in the future (LA31994-9)
Accountable health communities (AHC) health related social needs screening (HRSN) (96777-8)	Food	Within the past 12 months, you worried that your food would run out before you got money to buy more. (88122-7)	Sometimes true (LA6729-3)	Often True (LA28397-0)
Accountable health communities (AHC) health related social needs screening (HRSN) (96777-8)	Transportation	In the last 12 months has lack of transportation kept you from medical appointments, meetings, work, or from getting things needed for daily living? (93030-5)		

Documents

Description	Created	Source
College of Medicine Clinical Summary Summarization of episode note	11/30/2021 20:50	OUHSC-OKC
College of Medicine Clinical Summary Summarization of episode note	11/24/2021 22:26	OUHSC-OKC
College of Medicine Clinical Summary Summarization of episode note	11/23/2021 21:18	OUHSC-OKC
	9/2021 00:38	OUHSC-OKC
	8/2021 21:46	OUHSC-OKC
	7/2021 20:28	OUHSC-OKC
	6/2021 22:10	OUHSC-OKC
	6/2021 20:38	OUHSC-OKC
	2/2021 21:49	OUHSC-OKC
	2/2021 20:41	OUHSC-OKC
	7/2021 21:42	OUHSC-OKC
	3/2021 19:23	OUHSC-OKC
	7/2021 20:53	OUHSC-OKC
	5/2021 20:52	OUHSC-OKC
	9/2021 21:57	OUHSC-OKC
	4/2021 20:39	OUHSC-OKC
	1/2021 22:02	OUHSC-OKC
	0/2021 22:11	OUHSC-OKC
	5/2021 20:28	OUHSC-OKC
	4/2021 22:34	OUHSC-OKC

Allergies

Allergen	Reaction	Comment
PCN		
GLEEVEC	Reaction: Angioedema	
ACE INHIBITORS	Reaction: Angioedema	
CODEINE		
TAPE	Reaction: Hives	
PEANUT	Reaction: throat swells	

Vital signs

Vital sign	Interpretation	Value	Elapsed Time	Vital sign	Interpretation
BP		120 / 80 mm[Hg]	2y 8m	BSA	
P		75 beats/min	2y 8m	PS	
RR		12 breaths/min	2y 8m	SpO2	
T		98.6 [degF]	2y 8m	LMP	
Ht		66 in	2y 8m	AG	
Wt		220 lbs	2y 8m	HC	

Social Needs Screening

Panel	Domain	Question	06/15/24	10/11/23
Accountable health communities (AHC) health related social needs screening (HRSN) (96777-8)	Living Situation	What is your living situation today? (71802-3)	I have a steady place to live (LA3193-1)	I have a place to live today, but I am worried about losing it in the future (LA31994-9)
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Print

# **HIE VALUE FOR HEALTHCARE PROVIDERS**

- Reduced errors in care
- Speed access to care
- Reduce costs and burden
- Level playing field for rural and independent providers
- Performance in risk- and value-based payment models

# **THE OPPORTUNITY AHEAD**



# PIVOTAL TIME IN OKLAHOMA HIE

## Opportunities

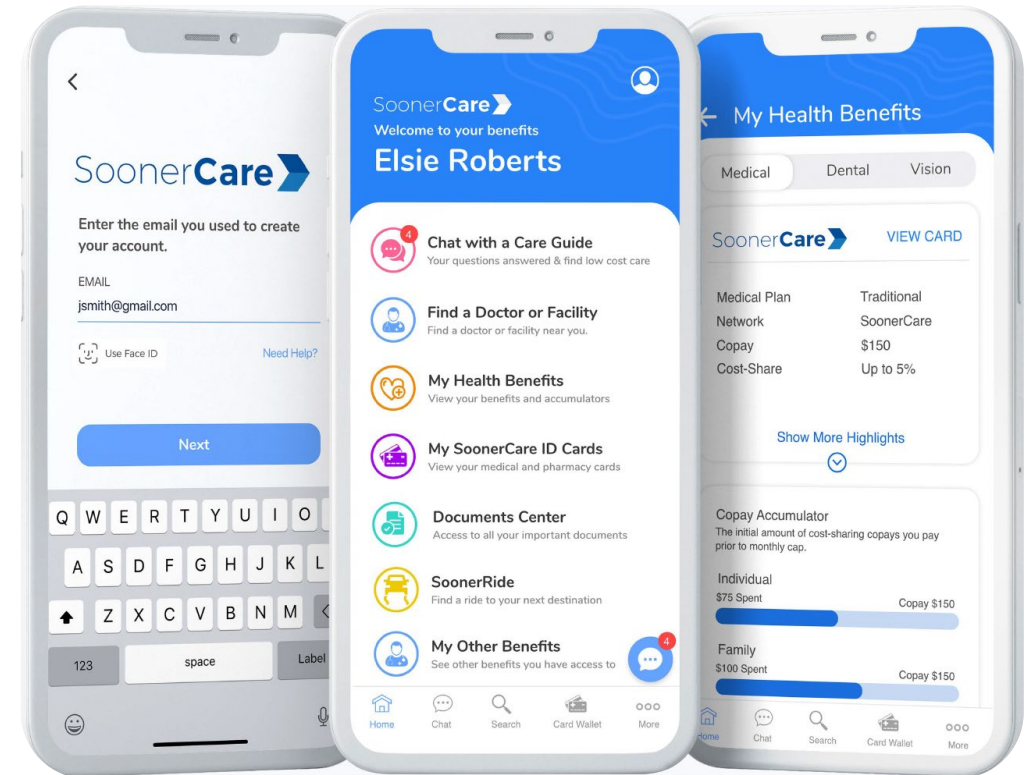
- State Funding for HIE has never been greater
- Cost pressure on Managed Care
- Incentives to get providers connected.
- Never before could most providers connect at no cost!
- In most cases the Provider will be incentivized more than their cost!

## Risks

- Legislature
- High risk of losing funding
- Timely Action by Providers

# HIE IN SUMMARY

- Improved care coordination
  - Enhanced Assessment
  - Close Gaps in Care
  - Enable better Follow-Up
  - Enhanced care management
- Reduced costs of care
- Address social needs
- Timely access to care and services



Vision: App for Patients and Providers

**The HIE provides a path to information for Healthier outcomes for Oklahomans!**

# HIE VISION

*“Our vision is for all Oklahomans to have a portable health record that can be easily accessed securely and used in care coordination between health care providers across the state to enable healthier Oklahomans.”*

# QUESTIONS?

Stephen Miller, CHCIO  
Chief Technology Officer OHCA & State  
Coordinator for  
Health Information Exchange

[okshine@okhca.org](mailto:okshine@okhca.org)

405-522-7458

**[Learn More About OKSHINE](#)**



[OKSHINE.Oklahoma.gov](http://OKSHINE.Oklahoma.gov)

Phone: 405-522-7458

Email: [okshine@okhca.org](mailto:okshine@okhca.org)



# DISCUSSION

