Physician-Focused Payment Model Technical Advisory Committee

Listening Session 1: Best Practices for Measuring Quality and Outcomes Related to Caring for Patients with Complex Chronic Conditions or Serious Illnesses in PB-TCOC Models

Presenters:

Subject Matter Experts

- Brynn Bowman, MPA Chief Executive Officer, Center to Advance Palliative Care
- Paul Mulhausen, MD, MHS Chief Medical Director, Iowa Total Care, a Centene health plan
- <u>Caroline Blaum, MD, MS</u> Assistant Vice President, National Committee for Quality Assurance
- David Kendrick, MD, MPH Chief Executive Officer, MyHealth Access Network

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Brynn Bowman, MPA

Chief Executive Officer, Center to Advance Palliative Care

Measuring Quality of Care for Patients During the Last Year of Life

Brynn Bowman
Chief Executive Officer
Center to Advance Palliative Care
June 10, 2024



Defining the population

"Serious illness" is a health condition that carries a high risk of mortality AND either:

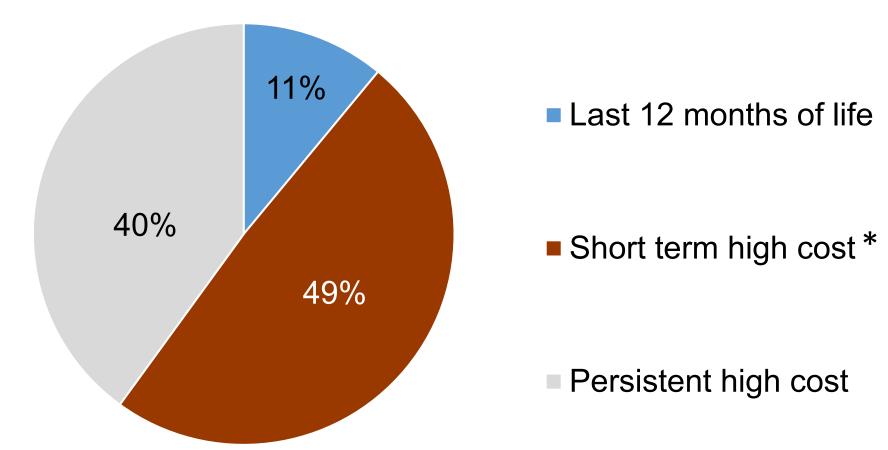
Negatively impacts a person's daily function or quality of life

OR

Excessively strains their caregivers



Serious Illness, Utilization Patterns, and Health Care Costs



Source: Institute of Medicine, Dying in America, 2015



*Short term high cost defined as "a discrete high-cost event in one year but who return to normal health and lower costs"

Palliative Care Improves Value

Hospital Palliative Care

- Improves patient & family satisfaction
- Reduces readmissions, ICU utilization, length of stay, cost per day

Home-Based Palliative Care

- Saves up to \$12k per enrollee to plans and ACOs
- Reduces ED visits, admissions, readmissions, and hospital LOS

What can we learn from this about what is important to measure?



Palliative Care: Reducing Suffering, Reducing Costs

"Beneficial at any stage of a serious illness, palliative care is an interdisciplinary care delivery system designed to anticipate, prevent, and manage physical, psychological, social, and spiritual suffering to optimize quality of life for patients, their families and caregivers. Palliative care can be delivered in any care setting through the collaboration of many types of care providers. Through early integration into the care plan of seriously ill people, palliative care improves quality of life for both the patient and the family."



Quality Measurement **Considerations** for Patients with **Serious Illness** or Complex Chronic **Conditions**

- → We do not prognosticate accurately and the majority of high-cost patients are not at the end of life
- → Need QMs applied across the trajectory of an illness
- → Few validated measures for this population



Recommended Quality Measures

"Feeling Heard & Understood" and "Experience of Receiving Desired Help for Pain"

- Developed by the American Academy of Hospice and Palliative Medicine and RAND, validated in outpatient palliative care population
- Patient-reported outcome performance measures (PRO-PMs)
- Endorsed by the National Quality Forum in 2021
- Not yet implemented in Medicare programs



Targeting Quality Measures at Existing Disparities

- Black patients and caregivers report poor-quality clinician relationships and communication
- Black and Hispanic patients receive poorer-quality pain management than White patients

Lee P, Le Saux M, Siegel R, Goyal M, Chen C, Ma Y, Meltzer AC. Racial and ethnic disparities in the management of acute pain in US emergency departments: Meta-analysis and systematic review. Am J Emerg Med. 2019 Sep;37(9):1770-1777. doi: 10.1016/j.ajem.2019.06.014.



Applying Hospice CAHPS Quality Measures to a Broader Population

Rationale

Validated measures that speak to the quality of communication, coordination/timeliness of care are important for a patient population that experiences crises and exacerbations

Items

- How often did you get the help you needed from the [hospice] team during evenings, weekends, or holidays?
- Did the [hospice] team give the training needed about [symptom management]?



ACO REACH QMs:

- Claims-based measures
- Risk-standardized, all-condition readmission
- All-cause unplanned admissions for patients with MCCs
- Days at home for complex, chronic patients (high needs ACOs)
- Timely follow-up after acute exacerbations (standard/new ACOs)
- CAHPS survey

ACO REACH CAHPS domains:

- Getting timely care
- Communication
- Shared decision-making
- How the patient rates the provider
- Care coordination
- Courteous/helpful office staff
- Health promotion and education
- Stewardship of beneficiary resources
- Access to specialists
- Activities of daily living

Need to apply quality measures specific to the population with complex chronic conditions or serious illness.



Limitations of Claims-Based Measures: A Key Challenge for this Population

Cannot capture major drivers of utilization:

- → Food/housing insecurity
- → Cognitive impairment
- → III-equipped caregiver
- → Unsafe home
- → Health education needs

To know whether these needs are being identified and addressed, we have to ask – it's worth the cost.



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Paul Mulhausen, MD, MHS

Chief Medical Director, Iowa Total Care, a Centene health plan

Patient Reported Outcomes: Opportunities for Complex Populations

Paul Mulhausen, MD, MHS, FACP, AGSF

Chief Medical Officer Iowa Total Care June 10, 2024

Disclosure

I am a medical director for a health plan in Iowa.

I am speaking as a geriatrician and my views should not be construed as the formal position of my employer.

Why Patient Reported Outcomes?

- They amplify the voice of the patient in the assessment of value.
- They help stakeholders move beyond process measures.
- They promote patient-centeredness in care and performance measurement.

The Language of Patient-Reported Outcome

- Patient Reported Outcomes: an outcome reported by the patient.
 - "I feel depressed."
- <u>Patient Reported Outcome Measure (PROM)</u>: a method by which the reported outcome can be collected into a single-item measure.
 - "Scores 13 on the Patient Health Questionnaire 9 (PHQ-9)"
- <u>Patient Reported Outcome Performance Measure (PRO-PM)</u>: an aggregate of the patient information into a valid and reliable measurement of performance.
 - "Percent of patients with major depression disorder and PHQ-9 score > 9 scoring < 5
 after six months of treatment. " (NQF 0711)

The Language of Population Complexity: The Five Ms

- Multicomplexity: multiple conditions, multiple providers, multiple locations of service, multiple caregivers, multiple medications.
- Mobility: maintaining balance, ability to walk, and avoid falls.
- Medications: adverse drug effects are amplified and drug interactions compound multicomplexity.
- Mind: maintaining mental activity, manage cognitive loss, managing mood disorders.
- Matters Most: person-centered goals of care; treatment plans that reflect goals of care.

Domains of Patient Reported Outcomes

- Health-Related Quality of Life
- Functional Status
- Symptoms and Symptom Burden
- Health Behaviors
- Motivation and Activation
- Patient Experience and Satisfaction (PREMs)

Inventory of PRO-PMs

- HealthMeasures: 615 Measures in English Language
- NQF: 52 Measures (30 endorsed by NQF)
- CMS Measures Inventory Tool (CMIT): 57 Measures (23 CBE Endorsed)
- Public Access FOTO measures (MIPS participants): 11
- Partnership for Quality Measurement: 56 Measures (31 CBE Endorsed)

PRO-PMs Opportunities in Total Cost of Care

- Reliable and Valid PRO-PMs that cut across Domains and Conditions may promote accountability in Total Cost of Care payment models.
- Cross-Cutting PRO-PMs may address both quality and accountability needs in complex populations with serious illness.
- PRO-PMs that capture the performance of care coordination across comorbid disease states and providers may be uniquely valuable.
- Total Cost of Care Model demonstrations create opportunities for measure development and translational research that ensures reliability, validity, acceptance, feasibility, and alignment across payers.

Barriers to PROM in Complex Populations

- Most PRO-PMs remain disease and episode specific
- Repeated Assessment for long term conditions
- Heterogeneity of measurement
 - Data source: patient vs. proxy
 - Mode of Collection: self-administration, survey
 - Method of Collection: paper and pencil, phone, digital platform
- Heterogeneity of engagement
 - Sensory changes
 - Cognitive loss
 - Health Literacy and Digital Dexterity
 - Disease Burden

Summary

- PRO-PMs present a high value opportunity to bring the voice of the patient into the accountability and the quality needs of Total Cost of Care payment models.
- Most PRO-PMs are disease based or based on episodes of care and may not be valid or reliable performance measures in medically complex populations.
- Opportunities exist for measure developers and payers to develop cross-cutting PRO-PMs that more effectively meet the accountability and quality improvement needs of seriously ill, medically-complex populations.

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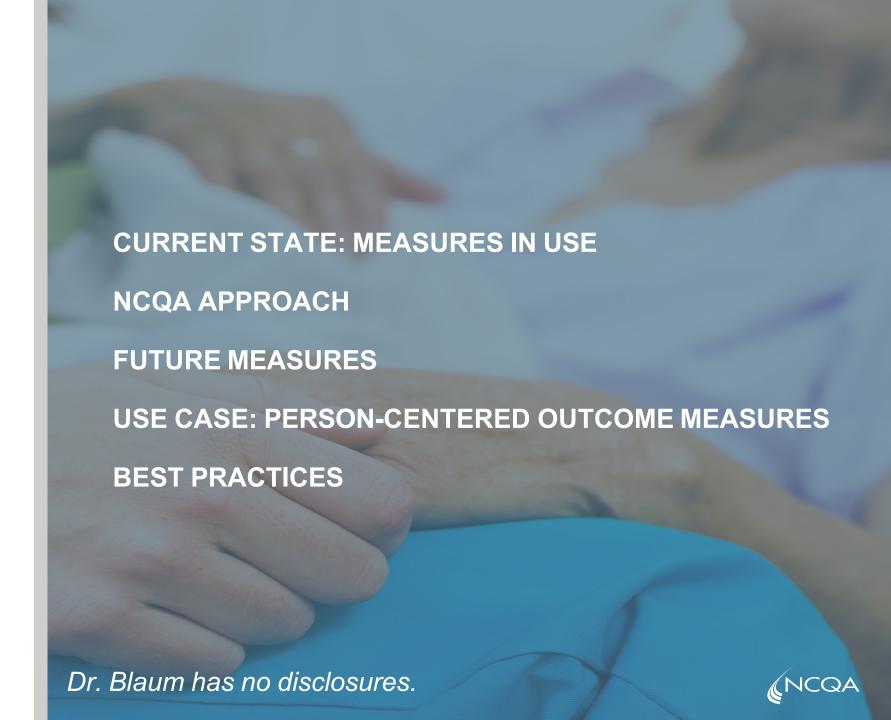


Developing and Standardizing Health Equity Measures for Patients with Complex Chronic Conditions or Serious Illness

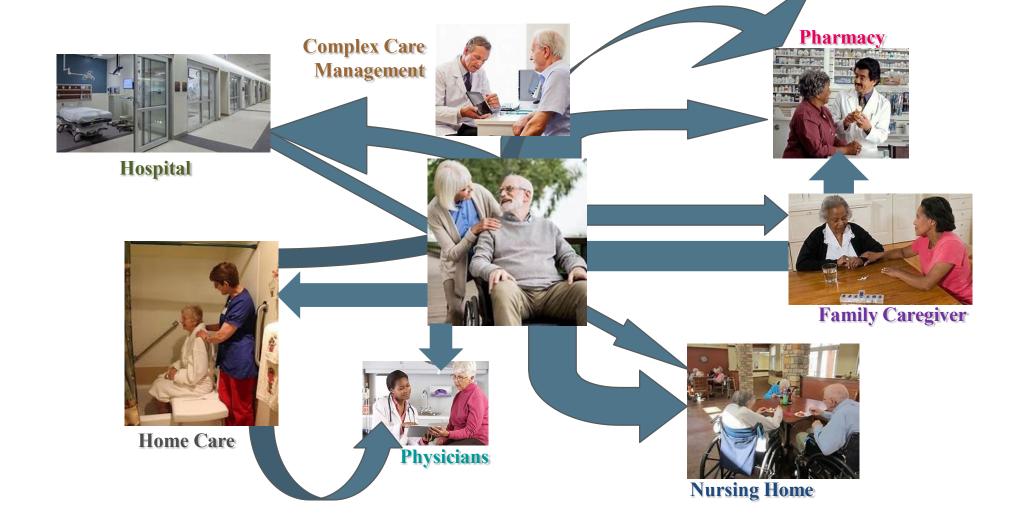
Caroline Blaum, MD, MS

Assistant Vice President National Committee for Quality Assurance (NCQA) June 10, 2024





Complex patients experience fragmented care that is often burdensome, expensive, inequitable and even dangerous



Care for seniors with complex health status is not based on evidence

- •Major trials are disease specific and evaluate disease specific outcomes
 - People with multimorbidity, disability, or frailty are not usually in trials
 - Trials have minimal information on adverse events
 - Some areas (BH¹, SUD²) are poorly covered
- Need new and different evidence
 - Treatment effects on common goals (function, symptoms, survival) for persons with multimorbidity/frailty or serious illness
- Need to consider trade-offs, uncertainty, trajectory and complexity
- Need to infuse Equity throughout, using community engagement and best practices





In order to provide quality care for complex patients, we need to keep three perspectives in mind – 1) Person, 2) Provider, 3) Payer



Current Measures:

- Often not relevant for or exclude complex patients
- Sometimes cover important activities but can feel like "box checking"
- Don't clearly foster integration of personal and medical care

Future measures need to...

- Address equity and "what matters most" to the person
- Improve communication between providers and with people and their families
- Can be flexible and usable in many clinical settings with different people and different clinician types, improving care integration

Populations with chronic conditions and/or serious illness

Measure Types: How does equity fit in?

Patient Populations	Process/Structure Measures	Outcome Measures:
 Multiple chronic conditions Frail Behavioral Health Substance Use Disorder Disabled SOGI³ Socioeconomic challenges End of Life 	 Population Health – immunizations/screening Structural/Operational Effectiveness of Care Patient Safety Behavioral Health Substance Use Care Coordination Social Needs Social Connection 	 Intermediate outcomes Utilization – risk adjusted Patient reported information Patient reported outcomes Patient engagement Patient experience Patient goal achievement Burden – patient/ caregiver



Quality Care is Equitable Care

NCQA Approach

Existing measures

- Stratification by race, ethnicity and sociodemographic
- Inclusion of sexual orientation and gender identity (SOGI) for relevant measures

New measures: Patient generated information, incorporating the patient voice

- Social Needs Screening; Social connection
- Patient experience; Patient-reported outcome
- Patient goals → Current care planning and advance care planning

Patient partners and patient/care partner engagement throughout measure development

Community engagement – lived experience and experts

Learning communities and collaboratives

Race & Ethnicity Stratification – Goals

Overall goal of this work:

Bring transparency to inequities in health care quality by race and ethnicity and incentivize equity with benchmarks and performance scoring.

What has been done so far:

22 HEDIS measures stratified

Learning Network with health plans on collection and reporting of race and ethnicity data and sources to access those data

Race & Ethnicity Stratification – Learning Network

Pairing Quantitative and Qualitative Insights

Quantitative

Plans submitted population-level HEDIS data on measures stratified by R/E in MY2022



First look at performance in real-world settings.



Evaluate what patterns we might expect, inform questions we ask in first year analysis and in future maintenance.

*11 plans submitted data

Qualitative

Plans interviewed with NCQA Equity in HEDIS
Team to share insights



Gain an understanding of how plans are integrating the stratification into their work.



Learn about challenges and successes with the data, and how different organizations use it to inform quality improvement efforts.

*13 plans participated in interviews

Social Need Screening and Intervention (SNS-E)

Measure Specification



Measure Description

The percentage of members who, during the measurement period, were screened at least once for unmet food, housing and transportation needs using a pre-specified screening instrument and, if screened positive, received a corresponding intervention.

Product Lines

Commercial, Medicaid, Medicare

Data Source

Electronic Clinical Data Systems

Exclusions

Hospice

I-SNP4

LTI5

Age Stratification

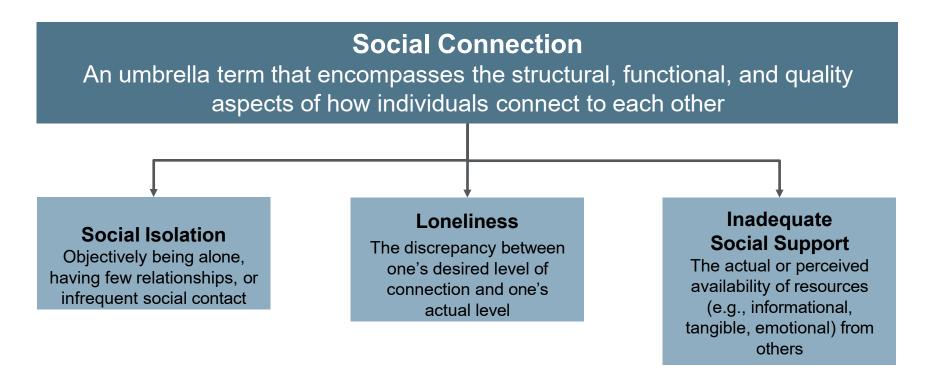
- ≤17
- 18-64
- 65+



⁴I-SNP — Institutional Special Needs Plan ⁵LTI — Long Term Institutional

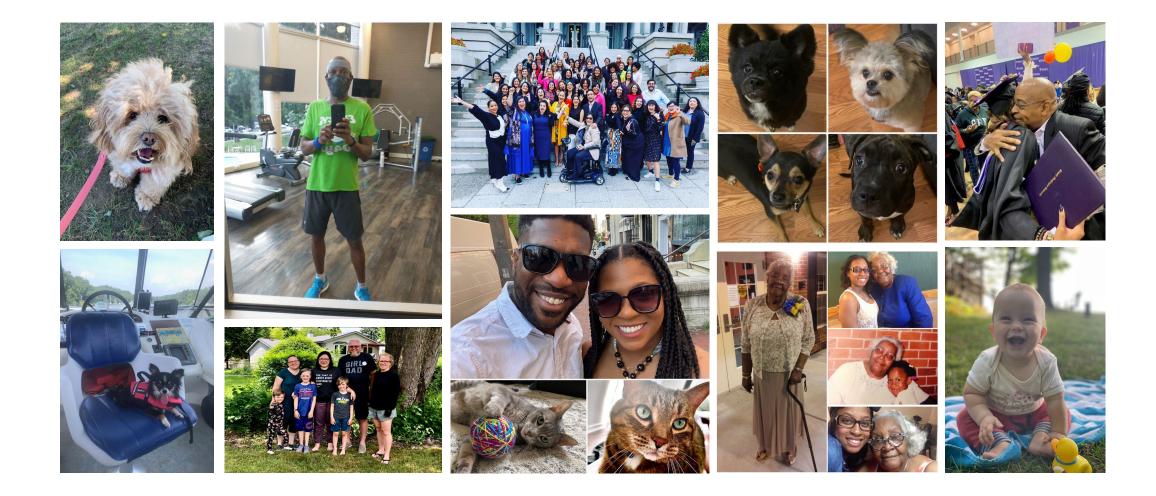
Social Connection

Evidence emerging



Measure will capture social connection screening and interventions for initial population.

What matters most?



Promoting health equity through measuring what matters most

Organizing a healthcare system around what matters to people, their families and their community

- For individuals with complex care needs, care should align with what matters to them, their health outcome goals
- Measurement can be used to drive care that matters and encourage clinicians to deliver care aligned with health outcome goals
- For quality measures, health outcome goals must be measured and tracked in a standardized way



Person-Centered Outcomes (PCO) Measures

Initial Population

Individuals 18+ years of age with a complex care need

Exclusions

Hospice Long Term Care (institutional) Died during measurement year

Reporting Method

Electronic Clinical Data Systems (ECDS)

Data Source

Administrative claims, EHR, case management, HIE

Measure Description

Measure 1 - Goal Identification: % of individuals 18 years of age and older with a complex care need who <u>had a PCO goal identified</u> resulting in completion of goal attainment scaling (GAS) or a Patient-Reported Outcome Measure (PROM) and development of an action plan.

Measure 2 - Goal Follow-up: % of individuals 18 years of age or older with a complex care need who <u>received follow-up</u> on their PCO goal within two weeks to six months of when the PCO goal and GAS or PROM were identified.

Measure 3 - Goal Achievement: % of individuals 18 years of age or older with a complex care need who achieved their PCO goal within two weeks to six months of when the PCO goal and GAS or PROM were identified.

2021 – 2024 Testing Efforts

Funded by The John A. Hartford Foundation and The SCAN Foundation

2018-2020 Testing				
Site Descriptions • Medicaid Case	1300+ Individuals			
 Management Traditional Case Management Geriatric and Serious Illness Programs 	100+ Clinicians			
	13 Sites			
Clinician Types: RN, NP, SW, MD, Peer Navigator, Care Manager				
Location: California, Kansas, Maryland, Michigan, New York, North Carolina, Ohio, Oregon, Texas, Washington, Wisconsin				

2021-2024 Testing				
Site DescriptionsArea Agencies on AgingCare Coordination	5000+ Individuals			
Organization Certified Community Behavioral Health Clinics	180+ Clinicians			
Home Based Primary Care	17 Sites			
Clinician Types: RN, NP, SW, MD, Community Health Worker, Peer Navigator, Care Manager, Qualified Mental Health Professional, Counselors, Licensed Therapists				
Location: Arizona, California, New Jersey, Ohio, Tennessee, Texas				

Person-Centered Outcome Measures & Health Equity

High-quality care is equitable care.

Investigate:

- Analysis of measure data included comparison of race, ethnicity, preferred language, social needs, and payer.
- This helped NCQA understand how these measures **impact different populations** and **if these measures would benefit from measure stratification**.

Identify:

- Specific efforts were made during learning collaborative recruitment to **engage organizations serving diverse populations**. NCQA provided coordinated technical assistance and resources that addressed measurement, clinical workflow and clinical decision-making in diverse populations.
- To ensure patient-facing materials resonate with diverse populations, **measure resources are available in 7 languages** (Arabic, Chinese Simplified and Traditional, English, Russian, Spanish, and Vietnamese) and Patient Partners reviewed all materials (including goal inventories) for clarity, direction, and appropriateness for use with patients and care partners.

Elevate:

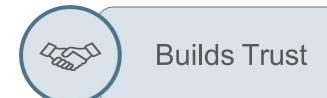
- NCQA developed and disseminated messages about the measures using information, data and stories that resonate with, and demonstrate value for, diverse populations and viewpoints.
- Patient partners and expert panels that included people with lived experience and community partners as well as
 experts and other stakeholders were involved at all stages of measure development and testing.

What we've learned from testing

Qualitative Results







Quantitative Results

For a sub-group, we found 6-months post-intervention:

- Significant decrease in hospitalizations
- Non-significant decrease in ED use
- Improved patient experiences concerning care planning and patient activation

Best Practices

Consider all areas of social demographic risk and location to better target inequities

Race/Ethnicity stratification is important but only a component

Link equity to whole person / person-centered care, and identify barriers to health and quality of life

Take perspectives not just from the healthcare industry but also our patients, families and communities

Think deeply about our process of measurement

- Do no harm and remove privilege from the process
- Have people at the focus of our work and not payment



Appendix



Portfolio of Stratified Measures: Measurement Year 2024

Domain	Measure
Prevention and Screening	Prenatal Immunization Status
	Childhood Immunization Status
	Immunizations for Adolescents
	Adult Immunization Status
	Breast Cancer Screening
	Cervical Cancer Screening
	Colorectal Cancer Screening
	Initiation and Engagement of Substance Use Disorder Treatment
	Follow-Up After Hospitalization for Mental Illness
	Follow-Up After Emergency Department Visit for Mental Illness
Behavioral Health	Follow-Up After Emergency Department Visit for Substance Use
	Pharmacotherapy for Opioid Use Disorder
	Prenatal Depression Screening and Follow-Up
	Postpartum Depression Screening and Follow-Up
	Asthma Medication Ratio
	Controlling High Blood Pressure
Chronic Conditions	Glycemic Status Assessment for Patients With Diabetes
	Eye Exam for Patients With Diabetes
	Kidney Health Evaluation for Patients With Diabetes
	Prenatal and Postpartum Care
Perinatal and Well Visits	Child and Adolescent Well Care Visits
	Well-Child Visits in the First 30 Months of Life

Geriatric Measures: Overview

Measures for people with complex health status. Varying sophistication

SNPs and What Matters

Medications

Mentation

Health Outcomes Survey

Outcomes / Utilization

Care of the Aged (COA)

Advance Care Planning (ACP)

Person Centered Outcome Measures (PCO Measures Use of high-risk medications in the elderly

Potentially harmful drug-disease interactions in older adults

Medication reconciliation post discharge

Hypoglycemia leading to ED visit

Deprescribing of benzodiazepines in older adults

Screening for depression and follow-up

Depression remission at 12 months

Follow-up after ED visit for mental illness

Use of PHQ-9 to monitor depression symptoms

Fall risk management

Physical activity in older adults

Urinary incontinence

Improving or maintaining mental health

Improving or maintaining physical health

All-cause readmissions

Hospitalization after discharge from SNF

Follow-up after ED visit for multiple chronic conditions

Transitions of care



Person-Centered Outcomes Approach

Measuring what individuals say matters most to them

MEASURE 2 MEASURE 1 MEASURE 3 Document Document Create plan Identify what Reassess to achieve achievement and track PCO goal matters PCO goal of PCO goal PCO goal Patient-Reported Goal Attainment Outcome Scaling Measure (GAS) (PROM)

Goal Attainment Scaling

Example: 82-year-old person with mobility problem, depression, history of arthritis and heart failure

Goal: Walk her dog outside once a week for the next 2 months.

Worse (-2)	Current State (-1)	Realistic Goal (0)	Stretch Goal (+1)	Super Stretch Goal (+2)
Unable to let the dog outside.	Does not go outside to walk her dog	Walk her dog outside once a week for the next 2 months.	Walk her dog outside twice a week for the next 2 months.	Walk her dog outside three times a week for the next 2 months.

What could be worse

Current State

Where they want to be

Patient-Reported Outcome Measures (PROMs)

Selecting the best PROM to fit the goal

Examples						
Participant Goal	PROM Selected to Measure Progress	Reason PROM Chosen				
Match PROM to goal topic						
Walk around the block 2 times per week	PROMIS Physical Function	PROM related to goal				
Take medication regularly	PROMIS Self-Efficacy to Manage Medications/Treatment	Individual does not take daily medications regularly causing health condition to worsen				
Match PROM to barrier	Match PROM to barrier					
Go out with friends 2 times per month	GAD-7	Individual has anxiety which is causing them to stay home				
Be able to live at home	PROMIS Self-Efficacy to Manage Daily Symptoms	Individual has difficulty managing everyday activities				
Apply to 5 jobs in the next 2 months.	PHQ-9	Individual is depressed, which has stopped them from looking for a job				

Learning Collaborative Demographic Data

Primary Care/Long-Term Services and Supports (LTSS)

N=2,651

- Average Age = 65 years old
- Majority female (68.3%)
- Majority of individuals either had Medicaid (50.7%) or were Dual Eligible (35.1%)
- 49.8% of individuals were Black or another minority with 45.5% being White
- 88% were not Hispanic, with 72.6% noting English as their preferred language
- Majority of individuals did not identify a social determinant of health need

Behavioral Health – Certified Community Behavioral Health Clinics

N=5,872

- Average Age = 41 years old
- Majority female (52.4%)
- Majority of individuals were either uninsured (39.9%) or had Medicaid (34.9%)
- 65.7% individuals who participated were White
- 39.9% were Hispanic, with 91% noting English as their preferred language
- Majority of individuals did not identify a social determinant of health need



PCO Measure Performance

Measure 1: Goal Identification

Measure 2: Goal Follow-up

Measure 3: Goal Achievement

	Primary Care/LTSS (N=5 sites)		Behavioral Health (N=8 sites)			
	Measure 1	Measure 2	Measure 3	Measure 1	Measure 2	Measure 3
Mean	51.8%	31.0%	13.9%	76.1%	13.2%	4.2%
Min	18.1%	11.8%	4.6%	6.9%	0.0%	0.0%
Median	40.1%	20.0%	9.7%	99.9%	9.7%	1.9%
Max	86.7%	60.6%	35.7%	100.0%	47.9%	12.1%

Measure Performance Stratification

Race, Ethnicity and Preferred Language

	Primary Care/LTSS				
	n	Measure 1	Measure 2	Measure 3	
Race					
White	1205	64.8%	40.3%	23.9%	
Black or African American	757	57.1%	29.7%	17.8%	
Asian	331	29.6%	14.0%	8.4%	
American Indian or Alaska Native	0	-	-	-	
Native Hawaiian or Other Pacific Islander	0	-	-	-	
Some Other Race	171	37.3%	17.3%	8%	
Two or More Races	61	23.1%	11.5%	1.9%	
Ethnicity					
Hispanic or Latino	216	27.4%	16.1%	5.6%	
Not Hispanic or Latino	2338	55.6%	31.4%	18.1%	
Preferred Language					
English	1925	65.6%	37.2%	19.8%	
Spanish	107	31.3%	17.9%	10.4%	
Other	530	34.5%	19.3%	14.0%	

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David Kendrick, MD, MPH

Chief Executive Officer, MyHealth Access Network

Quality and Outcomes Achievement in Complex Conditions and Serious Illness

Technology, Data, and Continuous Improvement

David C. Kendrick, MD, MPH



Disclosures

David C. Kendrick, MD, MPH

- CEO, MyHealth Access Network
 - Oklahoma's Statewide Health Information Exchange
- Chair, Department of Informatics, OU School of Community Medicine
- Assistant Provost for Strategic Planning, OU Health Sciences Center
- Founder of MedUnison, LLC and developer of Doc2Doc
- Immediate Past Chair, Board of National Committee for Quality Assurance
- Board, CIVITAS Networks for Health
- Board, Patient Centered Data Home, nationwide interoperability model



Experience with CMMI Models

Model	Roles	Timing
Comprehensive Primary Care Initiative (CPC Classic)	ConvenerNational FacultyData Aggregator	2012-2016
CPC+	Data AggregatorNational FacultyConvener	2017-2021
Accountable Health Communities	Principle InvestigatorBridging Organization	2016-2022
Primary Care First	 Event Alerting Proposed: Data Aggregator Social Determinants of Health Screening Convener 	2022-?



Choosing Sites for Testing Innovation

Actionable Results

Alerting on Sentinel Events

Analytics & Measures

Claims Data

Clinical Data

Governance/Trust



Agenda

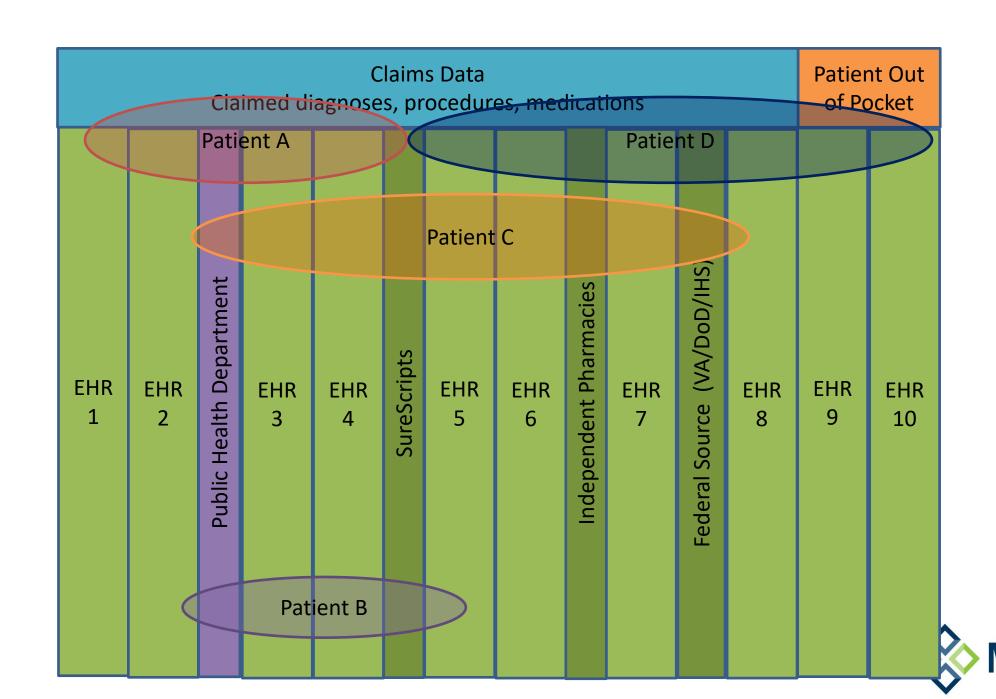
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- 2. Are there current examples of the collection and use of standardized patient assessment data and performance measures (e.g., post-acute care settings, other) for this patient population?
- 3. What strategies can be taken to improve the technology used to collect data from this patient population, the timeliness of data collection, and the sharing of resulting data with providers?

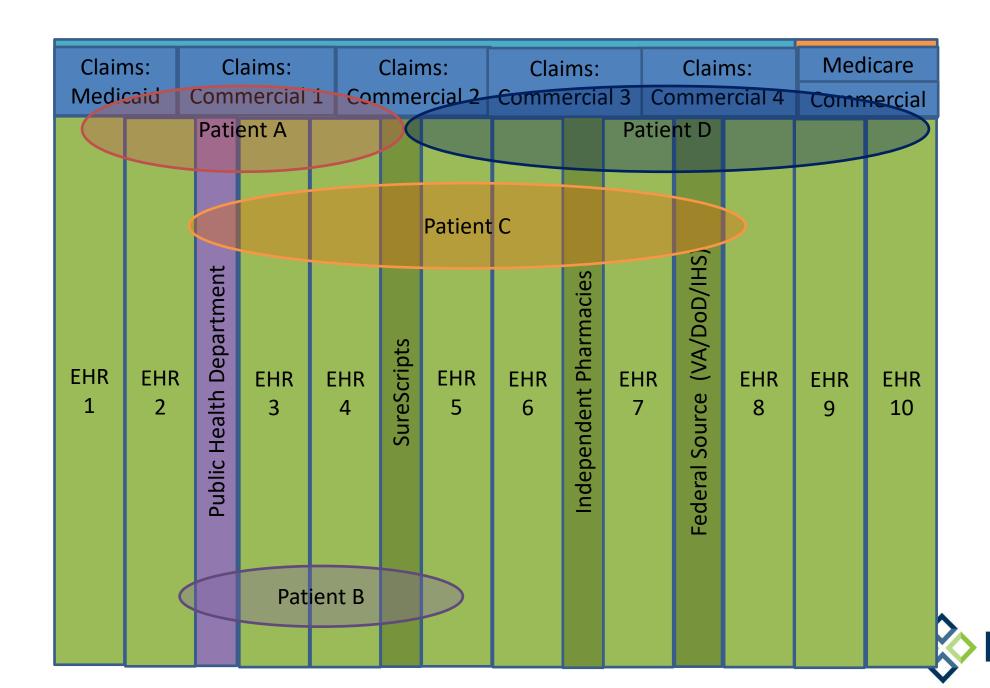


Agenda

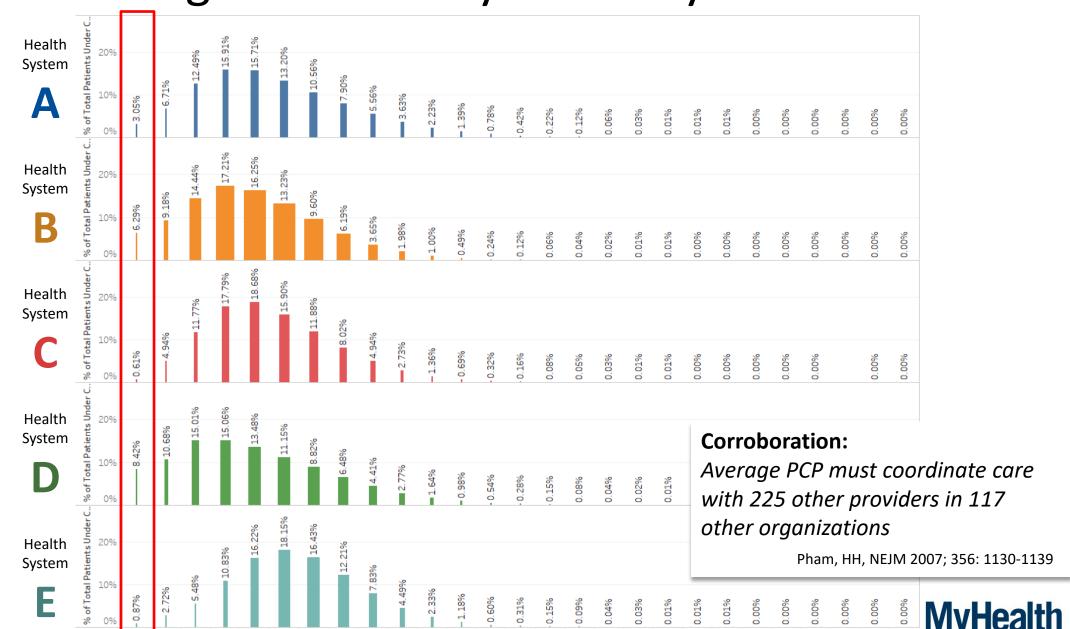
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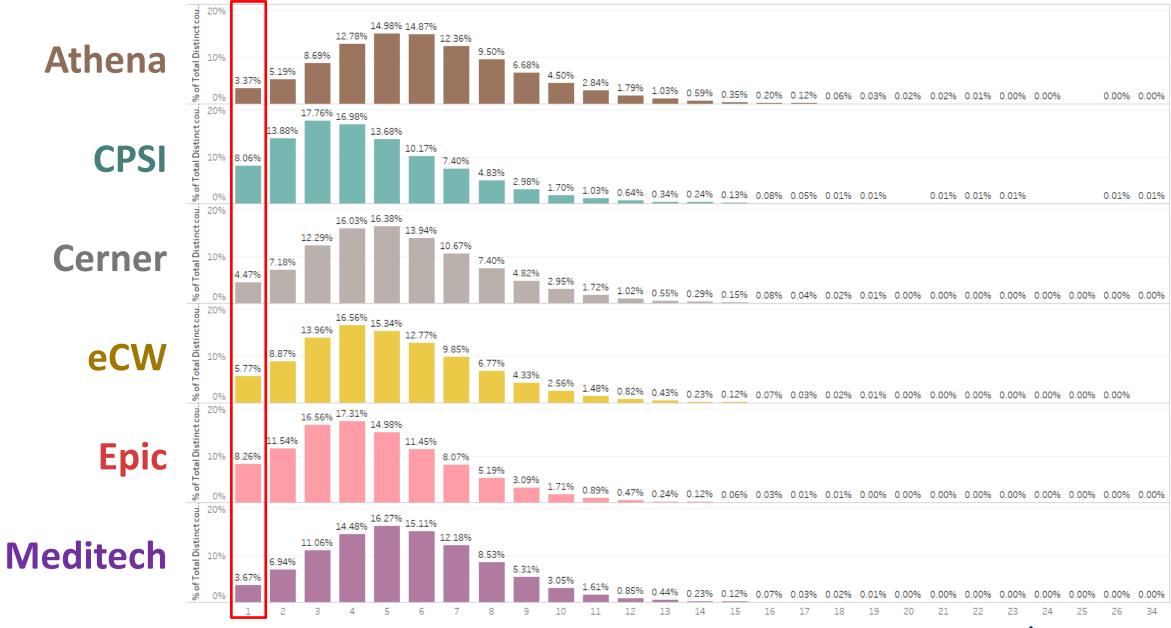






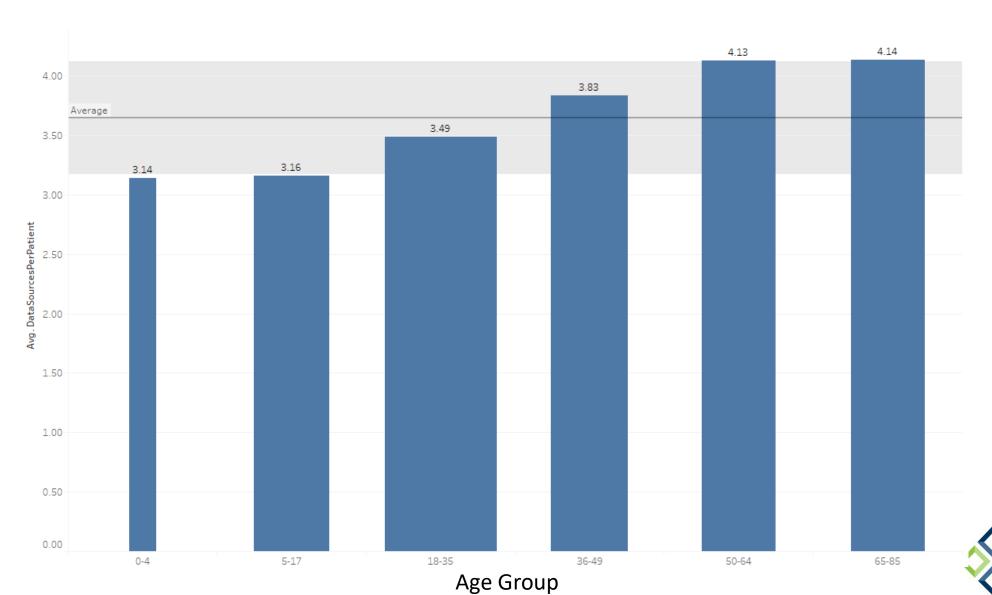
Data fragmentation by health system





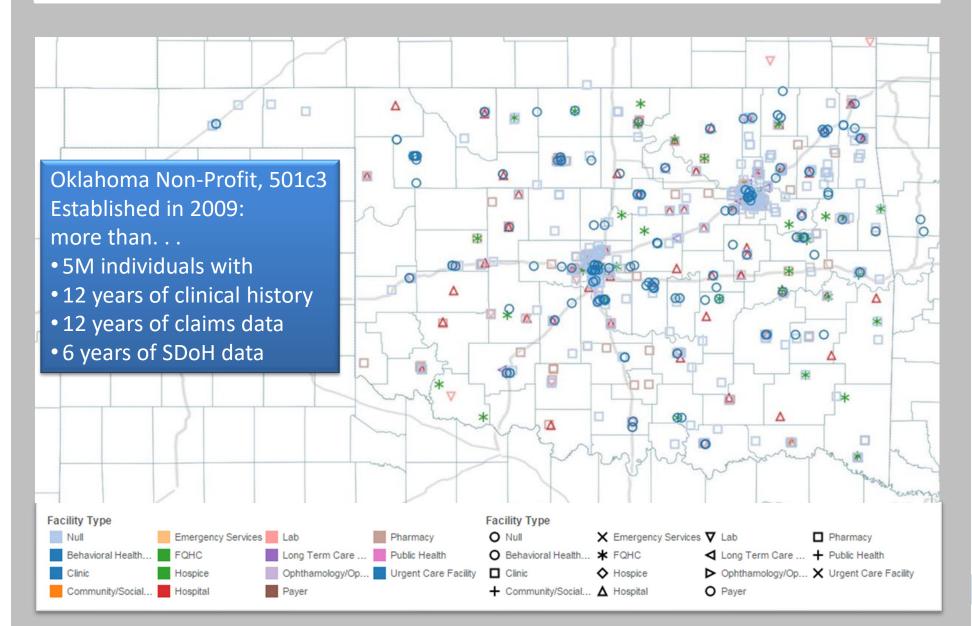


Number of Data Sources by Age Grouping





>2200 locations serving >130,000 patients daily





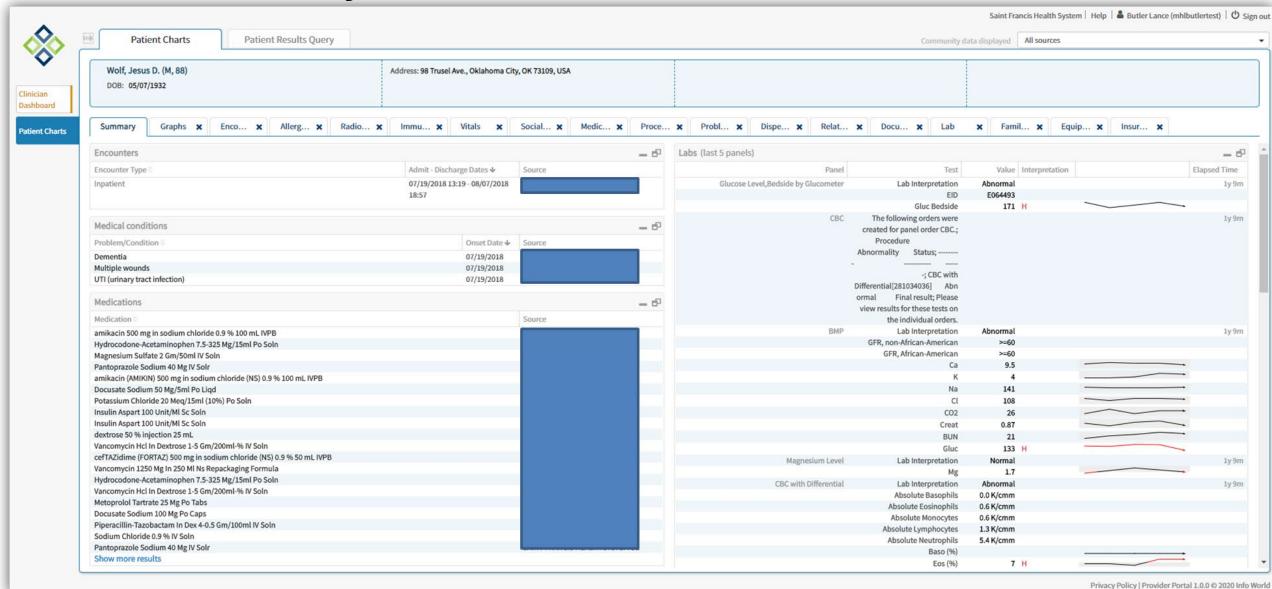
Health Data Utility: Rich Clinical, Claims, SDoH Data

- Diagnoses
- Medications
- Allergies
- Vital signs
- Clinical documents
 - H&P
 - D/C summary
 - Operative/Procedure notes
 - Progress notes
 - POLST/MOLST
 - Advanced Directives/Power of Attorneys for Health Care

- Labs/Observations/Assessments
- Insurance
- Dispensed Medications
- Equipment Devices
- Related Persons
- Social History
- Family History
- Radiology
- Care Team
- Goals of treatment



MyHealth Provider Portal + FHIR API



MyHealth Access Network

Health Data Utility vs. Health Information Exchange

HDU is more than a Health Information Exchange

• Like an HIE:

- Governance with transparency, broad participation of stakeholders
- Trust of stakeholders
- Committed service to a specific geography (i.e. state or region)
- Substantial if not 100% connectivity of health data within service area
- Cleaning and organization of individual identities and data for secondary uses

• A Health Data Utility that is more than an HIE:

- Like other utilities (electric, water, etc.), only 1 is needed, and provides infrastructure for all community needs
- Use cases can be implemented within the HDU or through a range of partnerships
- Integrate data from sources beyond healthcare (social services, education, crime, etc.)
- Work with stakeholders beyond healthcare (state agencies, tribal governments, employers, policy-makers, homeless shelters, correctional systems, etc.)

Four Problems HDUs Solve

The Health Data Utility (HDU) is a public-private resource providing a source of robust clinical and non-clinical data.



The cost of U.S. health care continues to increase.

Health care spending hit almost 20% of total GDP in 2020. That's up from 5% of total U.S. GDP in 1960.

Source: Statista. https://www.statista.com/statistics/184688/us-nation-

al-health-expenditure-since-1960/



The quality of U.S. health care must improve.

Two results of improved health care quality are an increase in the proportion of adults who get recommended, evidence-based preventive health care and a reduction in the proportion of emergency department visits.

Source: Healthy People 2030.



The patient experience must improve.

Patients are continually surveyed about their experiences in the health care system; a poor experience can impact their health care provider's reimbursement.



The U.S. must prepare to respond to infectious disease outbreaks.

Evolving risk factors associated with external drivers such as globalization, displacement of people, and climate change reinforce the need for robust and sound public health infectious disease programs.

Contact us to learn more about the Health Data **Utility Maturity Model**

Visit thecsri.org/contact



Agenda

- 1. Is standardized patient data needed for multiple providers caring for patients with complex chronic conditions or serious illnesses in PB-TCOC models? If so, how?
- 2. Are there current examples of the collection and use of standardized patient assessment data and performance measures (e.g., post-acute care settings, other) for this patient population?
- 3. What strategies can be taken to improve the technology used to collect data from this patient population, the timeliness of data collection, and the sharing of resulting data with providers?



Examples of Standardized Patient Assessment and Performance Measures

- Patient-centric: How well is our patient (and their family) doing?
 - PHQ-9, GAD7, SBIRT, AHC SDoH, Edmonton, goals of care
- System-centric: How well is our team working to support
 - Achievement of POLST/MOLSTs and immediate availability to any new providers involved in care
 - Care-giver support and FUNDING where available
 - Family supports
 - Cultural sensitivity including communication in preferred language
 - Drug diversion protection



Resource: National Coalition for Hospice & Palliative Care

- Clinical Guidelines for Excellence in Palliative Care in 8 Domains
 - 1. Structures & Processes of Care
 - 2. Physical Aspects of Care
 - 3. Psychological and Psychiatric Aspects of Care
 - 4. Social Aspects of Care
 - 5. Spiritual, Religious, and Existential Aspects of Care
 - 6. Cultural Aspects of Care
 - 7. Care of the Patient Nearing End of Life
 - 8. Ethical and Legal Aspects of Care



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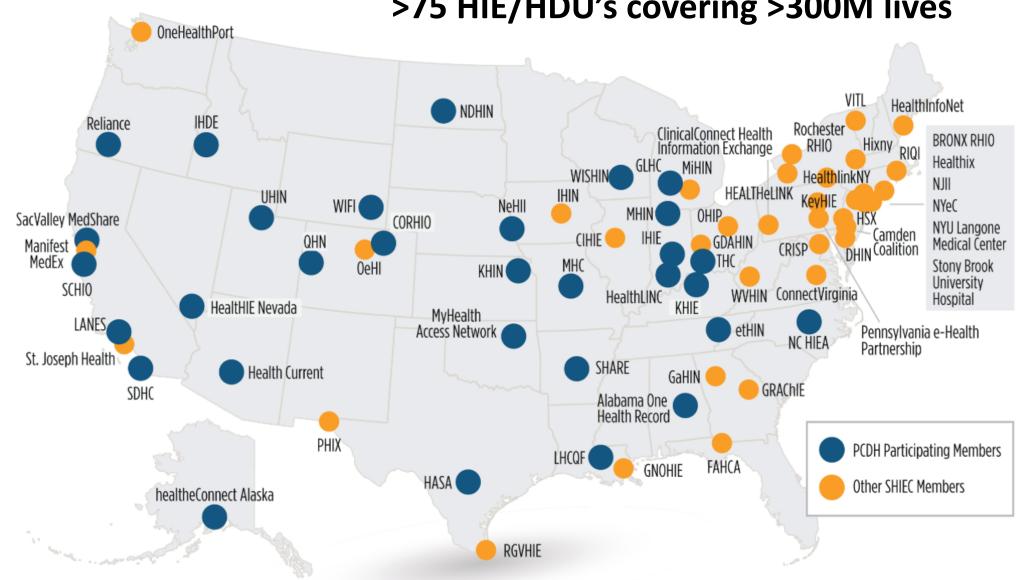
- 1. Participation with Health Data Utility/HIE by all parties engaged in care of the patients
- 2. Connection of live data from as many sources as possible to the network
- 3. Unexpected or unintentional events: Subscribe to alerting services from HDU for all admissions, discharges and transfer events
- 4. Expected and Planned Events: Utilize referral coordination and management systems to plan and coordinate intentional care transitions
- 5. Utilize patient-centric standardized screening and referral systems for SDoH, depression, pain, happiness, and any number of patient reported outcomes
- 6. Leverage AI well— for example to communicate rapidly in the patient's preferred language and honor their cultural heritage and background

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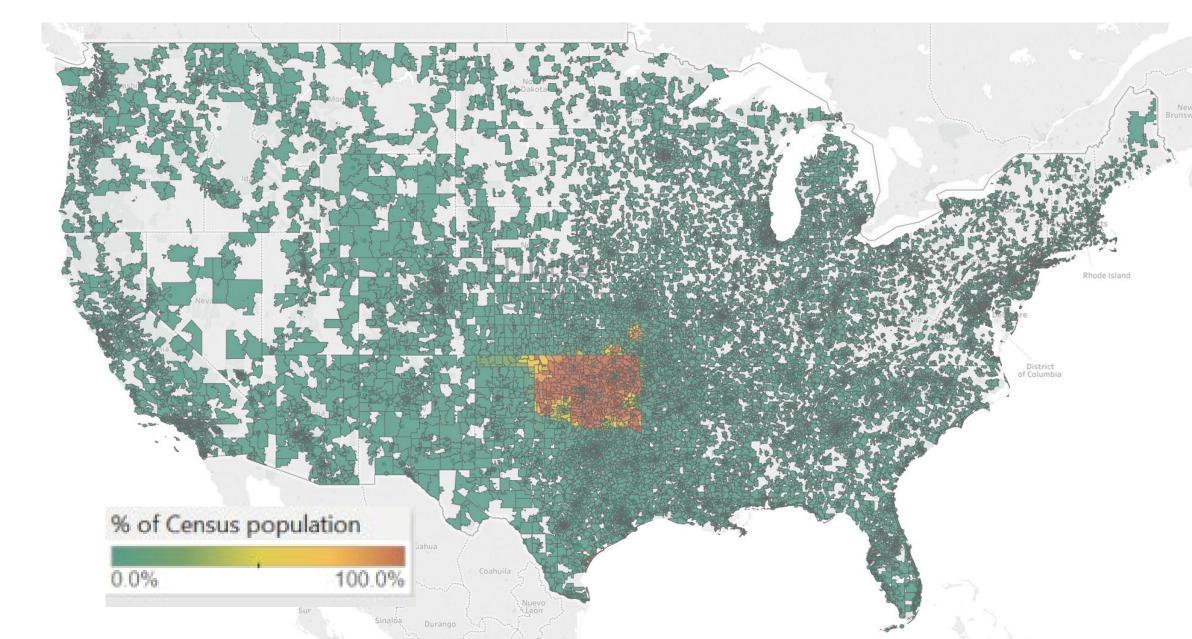
Participation in a Health Data Utility

>75 HIE/HDU's covering >300M lives



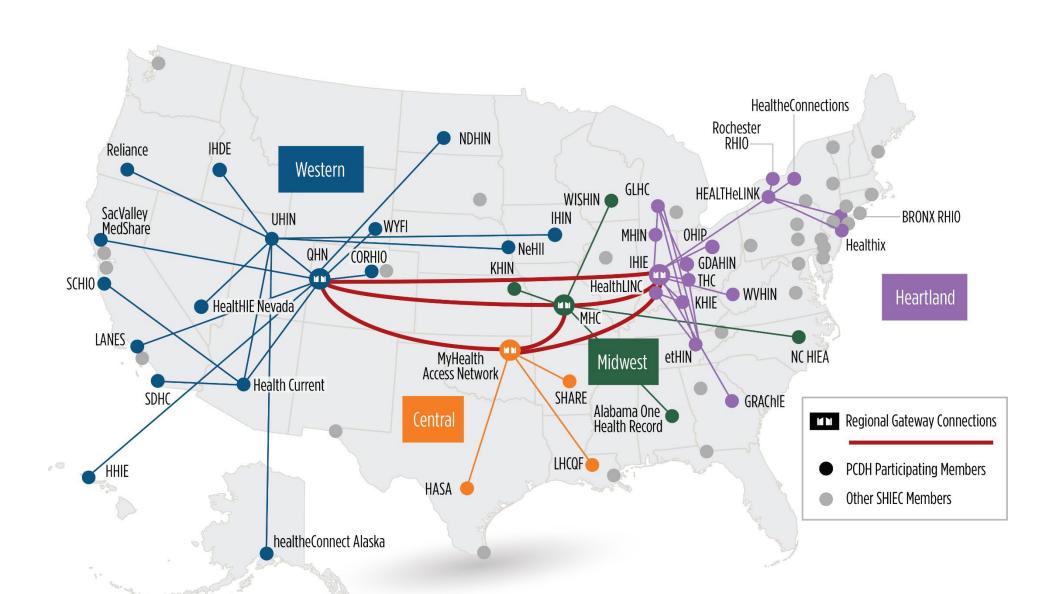
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MyHealth Patient Population





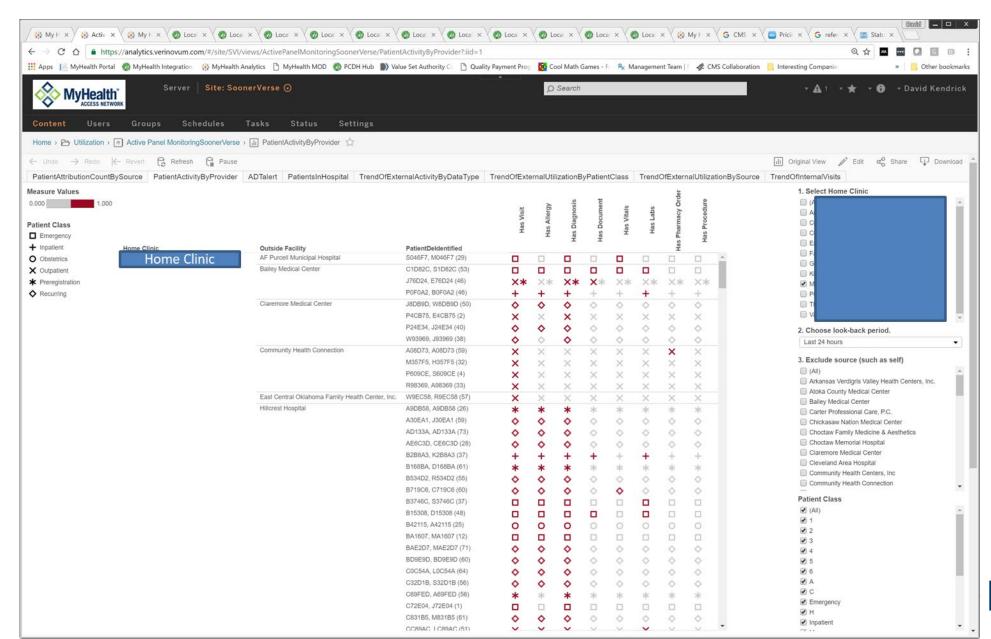
Patient Centered Data Home™ Coverage



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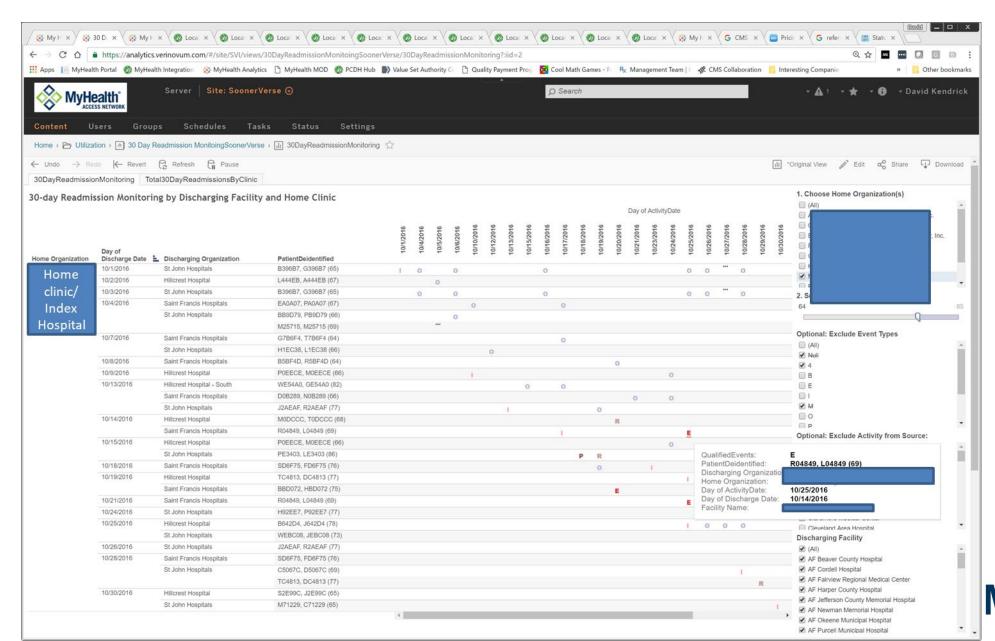


Alerting to Unplanned Critical Events





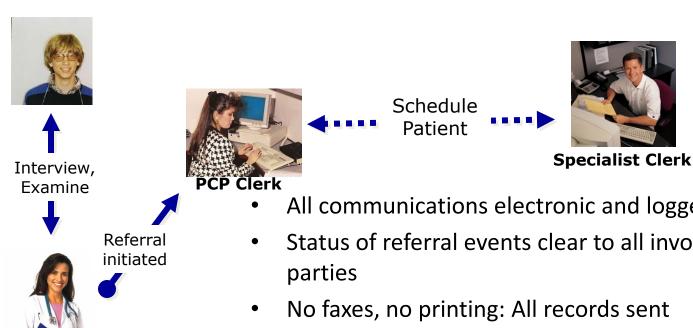
30-day Readmission Monitoring





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Planned Events: Community-wide Care **Transition Coordination Process**





- Status of referral events clear to all involved
- No faxes, no printing: All records sent electronically to receiving provider
- Sending providers given the software, trained in 0.5 days
- Enables sending and receiving provider to meet meaningful use for care coordination, with or without an HIE



Specialist Physician

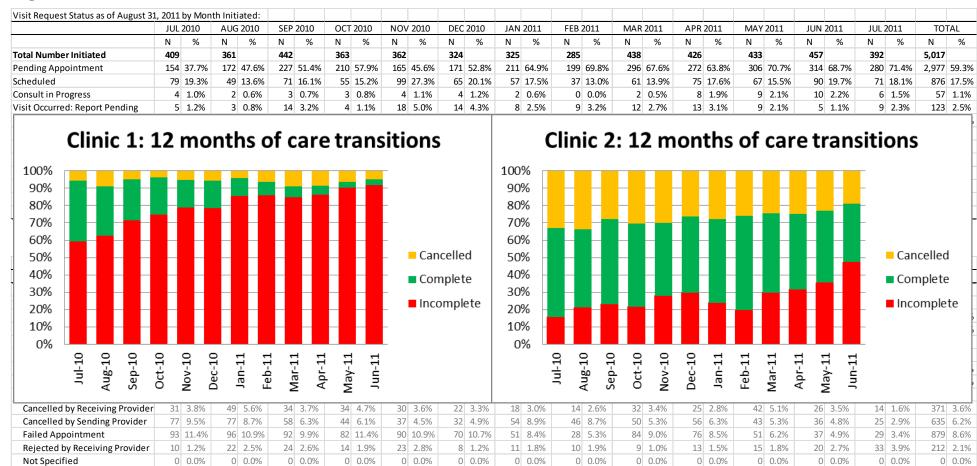


Primary Care

Provider

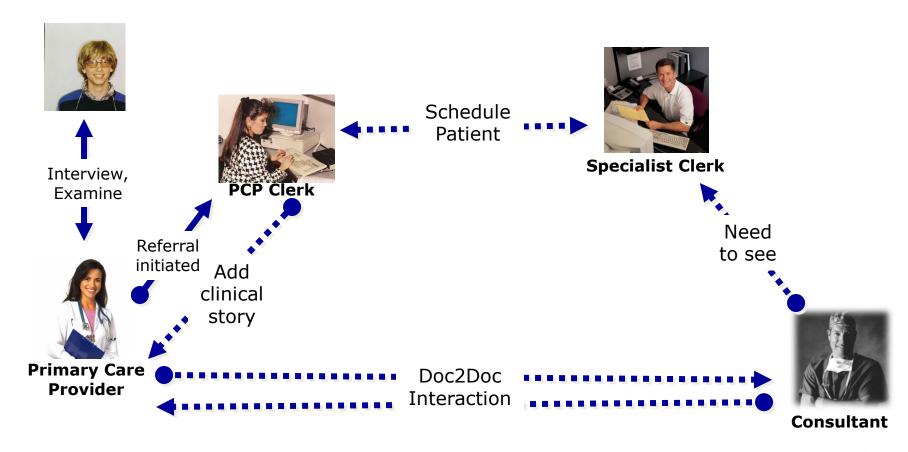
Electronic Referral Management

Clinic 1:





eConsultations to Optimize Care Transitions





Results: eConsultations in Medicaid

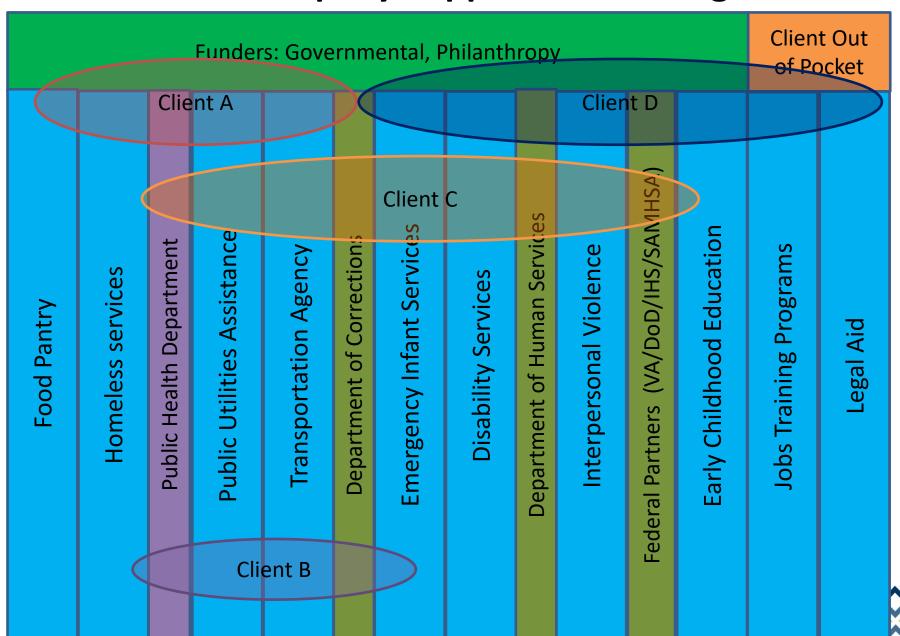
- Patients receiving an online consult had a significant reduction in PMPM cost of care when compared with themselves as historical controls:
 - \$140.53 Pre Consult vs. \$78.16 Post Consult
 - Net savings of \$62.37, p=0.021
- Compared with patients who received a referral but NOT a consult:

Cost Type	Mean PMPM Cost Change	Mean Percentage Change
Facility Costs (UB92)	-\$13.00	-20%
Professional Costs (HCFA 1500)	-\$108.04	-34%
Pharmacy Costs (PBM)	-\$9.14	-14%
Total Costs	-\$130.18	



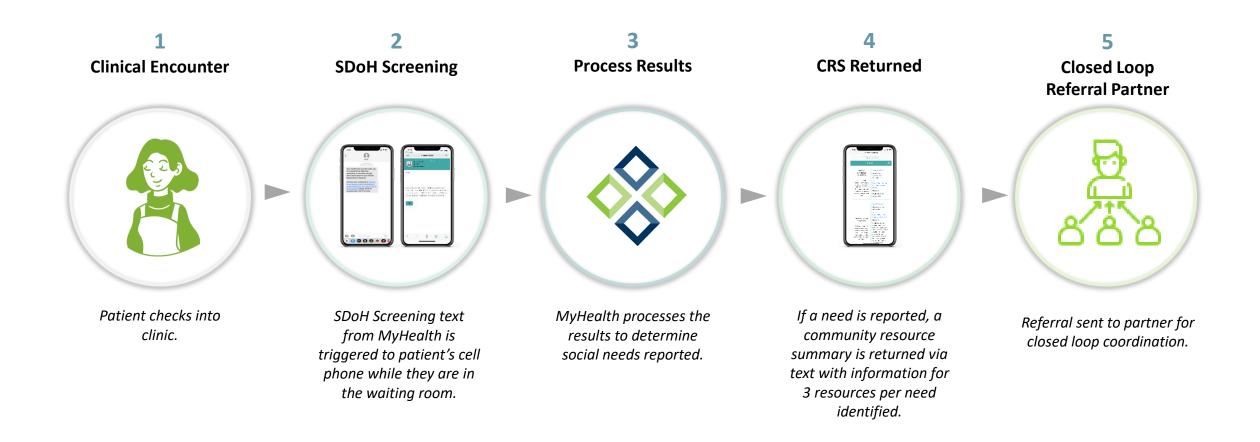
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Health Data Utilities Uniquely Support Addressing SDoH and Equity

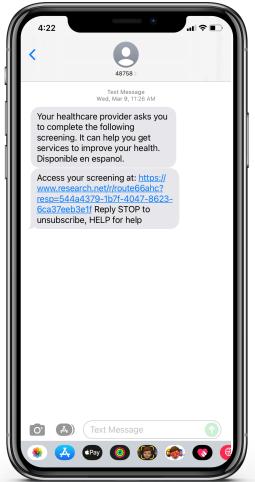


SDOH Mobile Screening & Referral

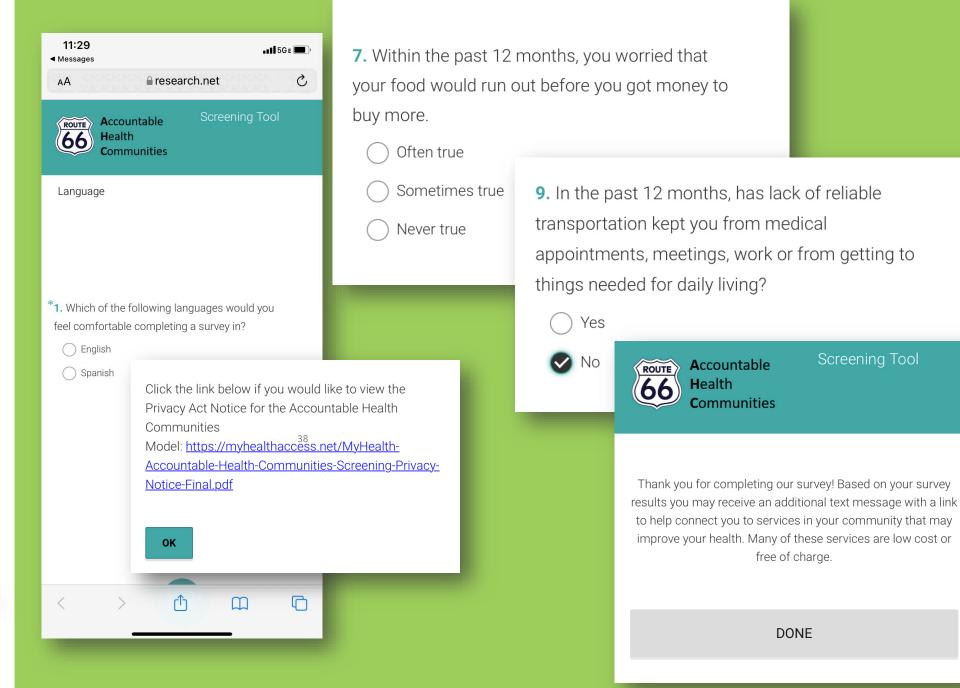


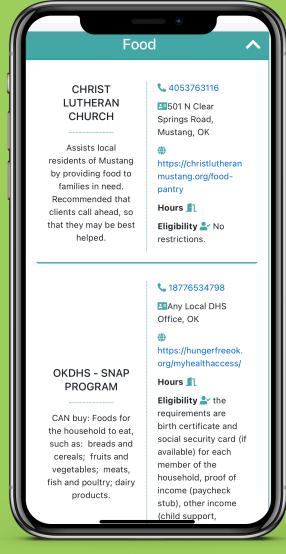


Mobile Screening









Living Situation 405-739-1221 MIDWEST CITY 100 N Midwest **GRANTS** Boulevard, Midwest **DEPARTMENT** City, OK Provides emergency https://www.midwestc housing repairs, no ityok.org/grants/page/ interest home loans housing-resources for housing rehabilitation and Hours 1 home buvers Eligibility 2 Income assistance program eligible and for Midwest City owner/occupant in residents. Midwest City. **\$** 5802985542 1225 NW A St. Antlers, OK HOUSING **AUTHORITY -ANTLERS** http://www.officialhou singauthority.com/okl ahoma/antlers-Provides subsidized housing-authority/ rental housing options for qualifying Hours 1 low income families Eligibility 🎥 Must or older adults. A wait meet HUD list may be requirements for lowmaintained if all units income housing. are full. Some units are restricted to 62 years

Utilities CATHOLIC 4055233030 CHARITIES 1501 N Classen **ARCHDIOCESE** Boulevard, Oklahoma OF OKLAHOMA City, OK CITY Hours 1 Offering utility assistance to Eligibility 2 Must Oklahomans who are have a past due utility behind on their utility bills. Recipients must enroll in a budgeting class. Able to accept the first eight recipients each Monday morning. 4054875483 **≅**OK http://www.okdhslive. Hours 1 OKLAHOMA DHS Eligibility 🎥 Requirements: Be responsible for The Regular Energy payment home Assistance Program heating and cooling is a non-emergency cost, be a United assistance that helps States citizen or have

Community Resource Summary

Texted back to patient after completion of the screening



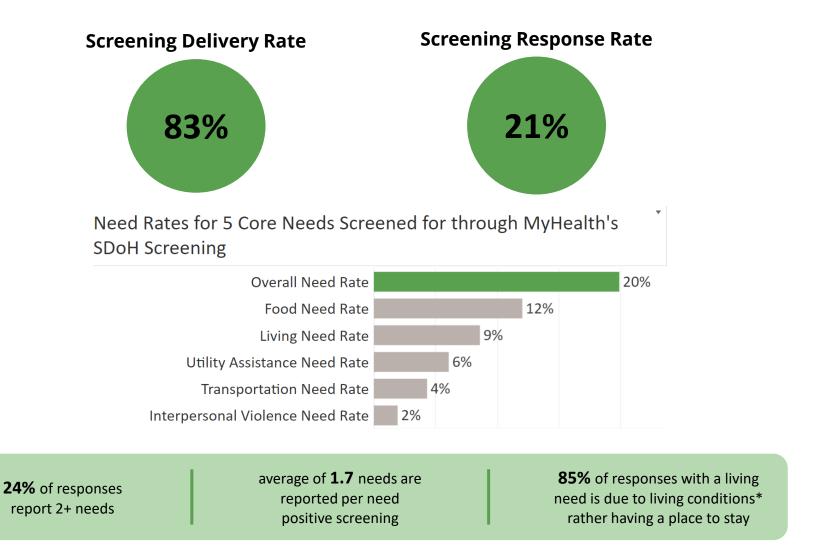
SDOH Program Metrics

MyHealth Access NETWORK

August 2018-May 30, 2024

By the numbers:

- √ 4.5+ million offers to screen
- √ 900,000+ responses
- ✓ **300,000+** responses with needs
- √ 400,000+ individual needs reported & addressed

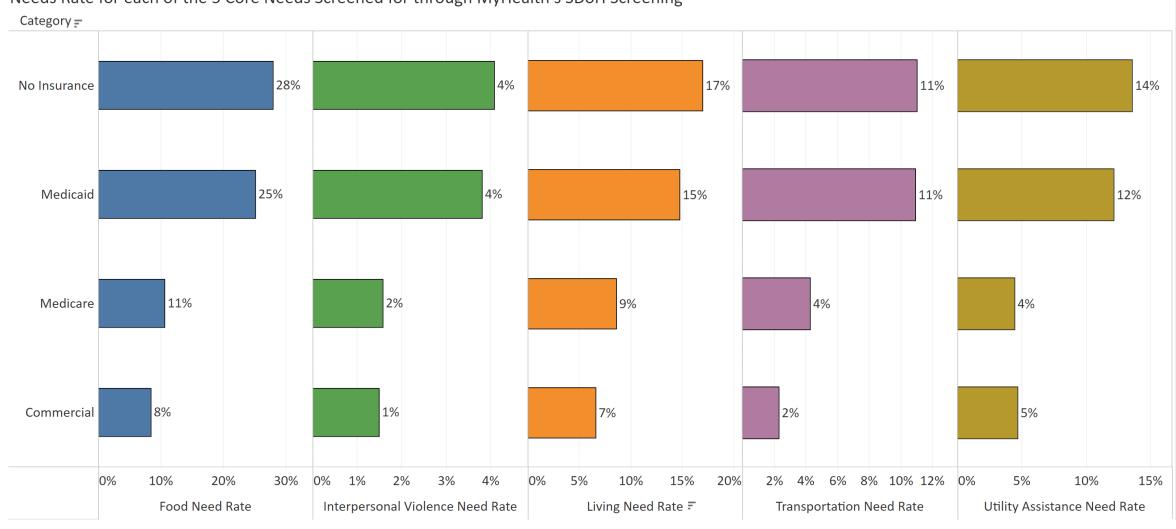


SDOH Screening Metrics



Year to Date



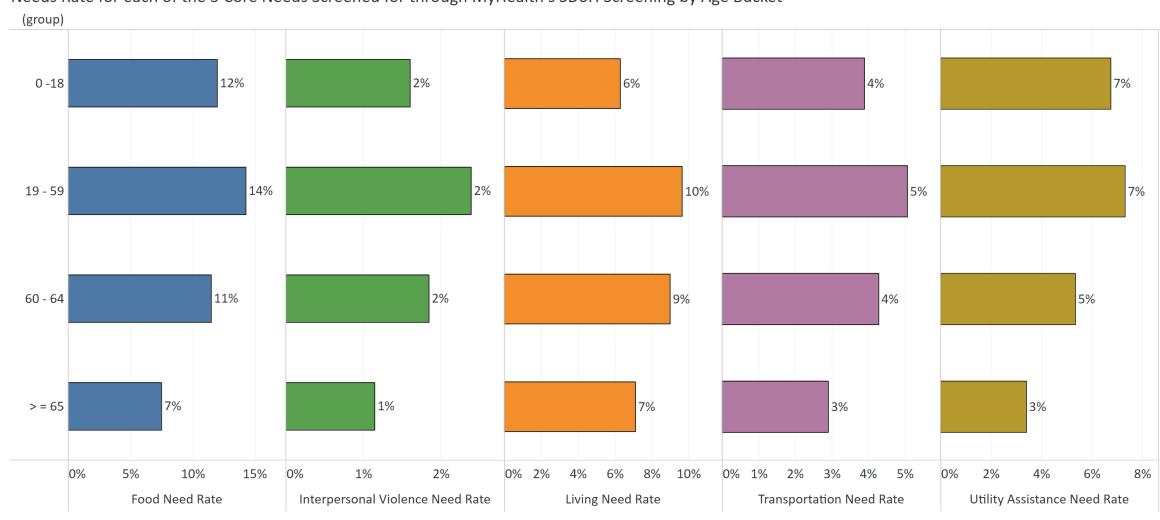


SDOH Screening Metrics

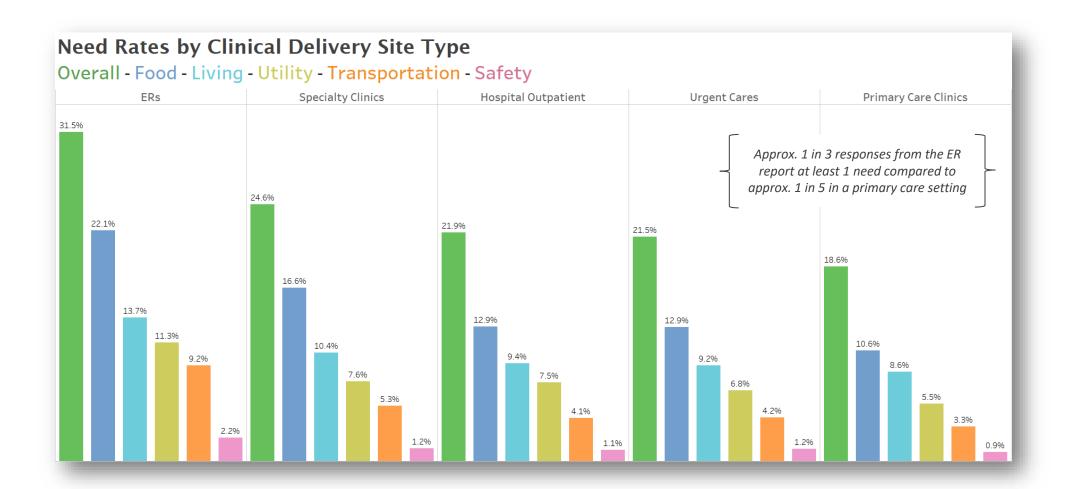


Year to Date

Needs Rate for each of the 5 Core Needs Screened for through MyHealth's SDoH Screening by Age Bucket

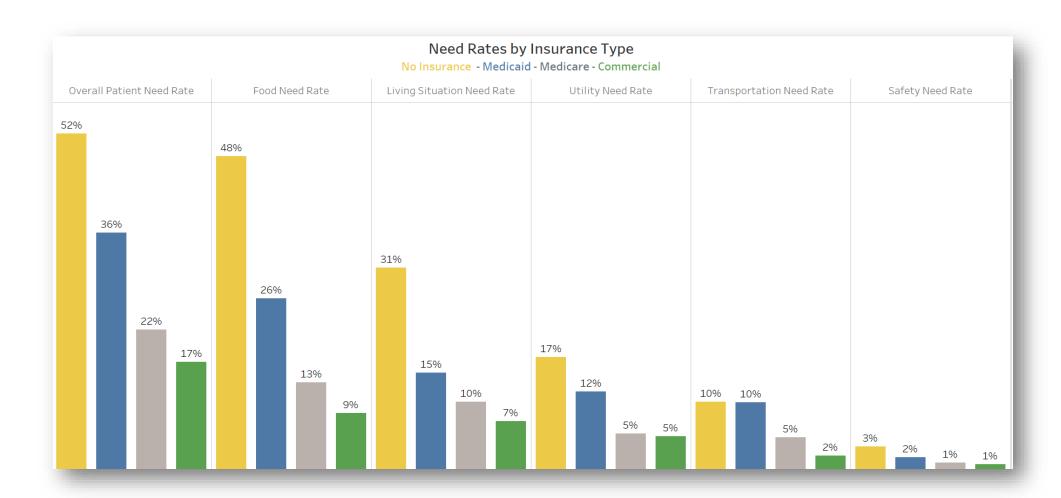


MyHealth AHC Need Rates by Clinical Site Type





MyHealth AHC Need Rates by Insurance Type





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Smart Use of Artificial Intelligence

• Basic:

- Cultural sensitivity
- Live translation of ANY LANGUAGE
- Rapid creation of written training materials in any language

Advanced:

- Leverage Health Data Utility data to train AI models for risk identification and treatment optimization
- Live decision support based on model trained on each patients record
 - Tens of thousands of data points per patient incorporated



Discussion

<u>David.Kendrick@MyHealthAccess.net</u>

MyHealth@MyHealthAccess.net

www.MyHealthAccess.net

