

# Bits & Bytes

A monthly workshop where stakeholders can connect directly with MiHIN's solutions' designers & managers



# Your Bits & Bytes Hosts



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# Michigan Health Information Network Shared Services (MiHIN)

MiHIN is a **non-profit organization** that provides technology and services to connect disparate sectors to securely, legally, technically and privately share health information.

An **unbiased data trustee**, MiHIN does not provide health care services or produce health care data.

Instead, we **help convene to share vital health information** to advance care, better outcomes and lower costs.



# 44,582

Michigan care providers with  
Active Care Relationships®  
through MiHIN, working within

# 5,637

Michigan care entities

# 13.1M

Unique Patient Records

Federal Gov't  
State Gov't  
Health Department  
Health Payers  
Health Systems  
PIHPs



Hospitals  
Clinics  
Practices  
CMHs  
Hospices  
FQHCs  
Pharmacies  
Physician Orgs  
Physician Hospital Orgs

Doctors  
Nurses  
Clinicians  
Care Managers  
Social Workers  
Dentists  
Pharmacists  
CARE SEEKERS!





# Bits & Bytes

## Social Determinants of Health (SDOH) Use Case V4.0

***Monday | Oct. 30, 2023 | 11 a.m. EST***

***Presented by:***

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# Agenda

## Recap of the Download



- Evolution of MiHIN's SDOH Use Case
- Why are we moving to v4.0 and why now?
- Legal data sharing agreement changes
- Direction of the use case

## Review of Version 4 Spec.



- File Management
- Patient Demographics
- Screening Information

## Compiling the File



- Where to find accepted LOINC Codes?
- Excel or Website?

## Review of Completed File



- File Management and Patient Demographics
- Screening and Intervention
- Questions?

# Why Should We Share Social Care Data?

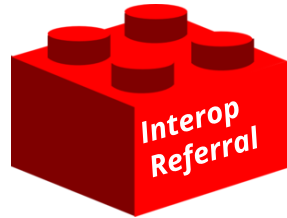
*What's the purpose? Where is the value?*

- **To improve the care of individuals:**
  - Care coordination
- As individuals move between care teams in health and social care sectors, data is available from which to understand the whole individual and their circumstance.
- **To assist payers and policy-makers:**
  - The US spends more than any other developed country on healthcare
  - Outcomes like infant mortality rates which rival 3<sup>rd</sup> world nations when stratified for socioeconomic status
    - Health Equity is primarily impacted by the distribution of power, wealth and resources
  - Decisions about where to spend scarce resources

# Data Exchange Building Blocks

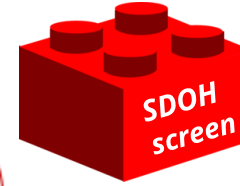
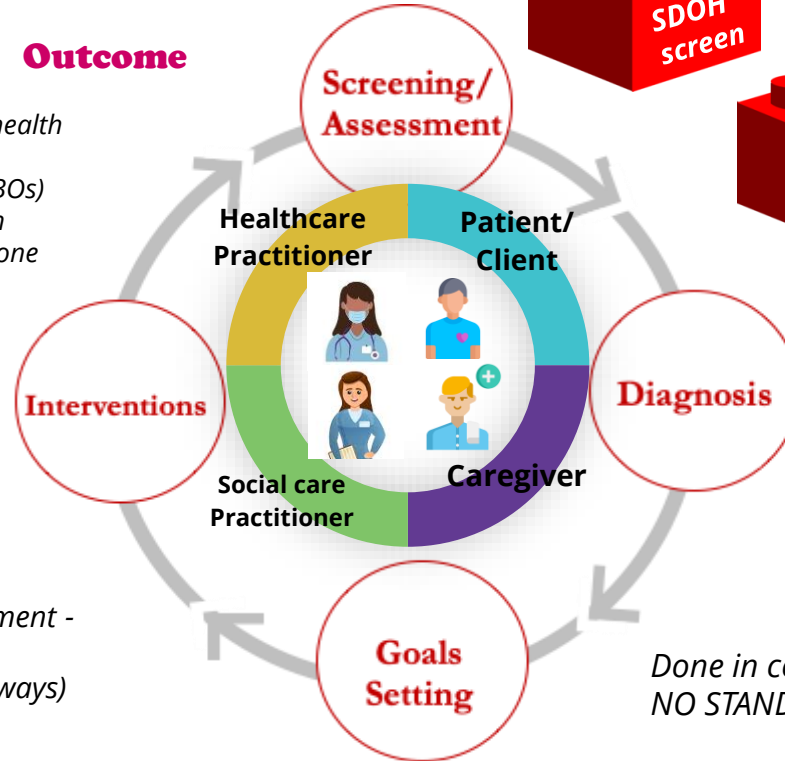


- Some interventions carried out in health care setting (ex: dietician)
- Most carried out by community (CBOs)
- Multiple interventions may occur in sequence or in parallel to address one problem

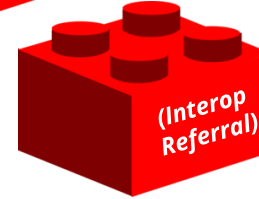


Specific referrals sent after assessment - directed to individual CBO OR directed to 'narrow network' (Pathways) requesting intervention

## Outcome



Screening mostly done in health care  
Assessment mostly done in community (CBOs)



Some general referrals sent from health care to community (ex: Jackson 211, AAA)



Health care: assigns ICD Z-codes  
Community: multiple approaches

Done in community as part of care plan  
NO STANDARDS YET



# Evolution of the SDOH Use Case

- First use case attempt started with the State Innovation Model
  - Homegrown Michigan screening tool – mandated
  - Many early adopters hard coded that tool into systems of record
- Post SIM recognition that one size fits all tool not likely to be adopted
  - No guidance by state or feds
  - Refined based on end user feedback
  - Attempting to move towards standardized and codified tools but no specific guidance by state or payers
  - Confusion about the use of Z-codes/ LOINC codes
- January 2023 – HEDIS SNS-e measures go into place
  - Provides clear guidance on use of codified/ validated questions and answers
  - Social needs screening data generated in community creates a comparison to data generated only in healthcare settings; Valuable data
- Summer 2023
  - MiHIN Team performing consensus building about the transition to accept only codified/ validated questions/ answers.



# Why are these changes important to make:

- Michigan adopted this work early – before standards
  - Standards are now available, we need to align
- Post COVID – increased attention on health equity
  - Significant opportunity to highlight the value that social care entities bring
  - Sustainability and resources to meet demand
- Making use of screening data requires the ability for the data to be exchangeable and aggregable
  - Standardized data is essential to this

The background of the slide features a blue-tinted image of several hands cupped together, holding a small globe. Silhouettes of people of various ages are visible within the hands, suggesting a community or healthcare focus.

If the data is **critical** to  
healthcare transformation, it is  
**critical** to do in a way that  
makes the **data useable**

# Data From Healthcare and Community Sources

- Identifying social related health needs is not just a healthcare activity
- Some community sources of screening data exist
- Community Information Exchanges (CIE's as a noun) are good examples
  - Community Health Innovation Regions
- Lots of screening happening but it really only identifies the individuals that cross paths with healthcare
  - What about those who are at highest risk but may abstain from healthcare until a problem exists; sicker individuals – treated in more costly spaces
  - Moving upstream through the community
- Meet community where they are
  - Simplified our legal data sharing agreements
  - 2 implementation Guides (Community and Healthcare)
  - Healthcare follows a full TPO pathway
  - Community treatment only with data moving up through the Health Equity project to CQI's
    - Community pilot to test the capacity to engage in data sharing agreements



# Gravity Project: Where is MiHIN in the Gravity Project Tiered Evaluation?

## Tier-Level Self-Assessment Tool Overview



- **Tier I:** Social risk data (including screening, diagnoses, goals, and interventions) is documented in a simple method designed to evaluate the structure and value of the data, as well as the impact that collecting information in this format will have when compared to legacy systems.
- **Tier II:** Gravity-vetted terminology and value sets are exchanged within established content and transport standards.
  - Includes HL7 CDA, HL7 V2, and Direct Transport.
- **Tier III:** Gravity-vetted terminology is exchanged using the HL7 SDOH Clinical Care FHIR Implementation Guide (IG).

Levels	Color Key
Planning - Not at Pilot Testing Level, but preparing	
Tier I - using Gravity-vetted terminology	
Tier II - exchanging Gravity-vetted terminology using any content and exchange standards	
Tier III - using Gravity-vetted terminology and exchanging via the SDOH CC IG	

Access the tool here: <https://bit.ly/3ChPspl>

- Moving into Tier 1
- LOINC code screening
- Screening intervention

# V4.0 Changes

- Refine fields to simplify and clarify data requirements which will make validation easier
- **Only allow codified/ validated and approved screening tools/ questions**
- Additional fields to increase matching capabilities
  - at least one of the following is required in addition to base 4 (first name, last name, DOB, sex)
    - Phone Number
    - SSN4
    - Address\_1
    - *If it is important to collect, we **have** to be able to ensure identity match*
- Elimination of elements that were hold overs from SIM demonstration
- Elimination of z-codes

# Review of Version 4 Spec.

*In Draft, for review purposes only*

# Submitting Organization – *File Management*

Data Element	Type	Max Length	Description	Required	Field Purpose
Source_Name	Char	125	Readable name of submitting organization; • May be different than screening practice name	Required	
Source_OID	Char	125	Submitting organizations' unique identification number • May be different than screening practice OID • Follows V3, 2022 permitting only numbers and periods	Required	
Row_ID	Num	12	Unique Identifier for this row starting with 1. • If no Row_ID is supplied, MiHIN will supply it and provide an updated file via SFTP. • If Row_ID is provided that is not unique, MiHIN's error notifications won't indicate unique rows.	Optional	



# Individual Patient Information – *Who is being screened?*

Data Element	Type	Max Length	Description	Required	Field Purpose
Screenee_Unique_ID	Char	125	Key	Required	This information is required if data sharing agreements are in place to support providing to the State. Common Key preferred
SSN4	Num	4	Patient Social Security Number - Last 4 digits	Optional	
Common Key	Num	40	Common Key (CKS)	Optional	
First_Name	Char	50	Patient First Name	Required	
Last_Name	Char	50	Patient Last Name	Required	
DOB	Char	10	Patient Date of Birth (format: MM/DD/YYYY)	Required	Inclusion of last 4 SSN improves patient matching
Sex	Char	1	Patient Sex	Required	"M", "F", "N"(nonbinary), "D"(declined), "U" (unknown)
Race	Char	64	can be found at <a href="https://www.hl7.org/fhir/us/core/ValueSet-detailed-race.html">https://www.hl7.org/fhir/us/core/ValueSet-detailed-race.html</a>	Optional	can be found at <a href="https://www.hl7.org/fhir/us/core/ValueSet-detailed-race.html">https://www.hl7.org/fhir/us/core/ValueSet-detailed-race.html</a>
Ethnicity	Char	64	Patient CDC ethnicity code that can be found at <a href="https://www.hl7.org/fhir/us/core/ValueSet-detailed-ethnicity.html">https://www.hl7.org/fhir/us/core/ValueSet-detailed-ethnicity.html</a>	Optional	Patient CDC ethnicity code that can be found at <a href="https://www.hl7.org/fhir/us/core/ValueSet-detailed-ethnicity.html">https://www.hl7.org/fhir/us/core/ValueSet-detailed-ethnicity.html</a>
Address_1	Char	100	Patient Home Street Address	Optional	
Address_2	Char	100	Patient Home Additional Street Address	Optional	
City	Char	30	Patient City	Optional	
Postal_Code	Char	7	Patient ZIP Code (format: "12345" or "A1A 1A1")	Optional	
State	Char	2	Patient 2 digits USPS state abbreviation code	Optional	
Mobile_Number	Char	12	Patient Mobile Number (###-###-####)	Optional	
Home_Number	Char	12	Patient Home Number (###-###-####)	Optional	

# Screening Information

## *About the screening*

Data Element	Type	Max Length	Description	Required	Field Purpose
Screen_Id	Char	64	Id identifying/linking all rows belonging to one patient screening	Required	Linking related rows
Screen_Date	Char	10	MM/DD/YYYY	Required	
Screening_Practice_OID	Char	125	Screening organizations' unique identification number • May be different than screening practice OID • Follows V3, 2022 permitting only numbers and periods	Required	
Screening_Practice_Name	Char	125	Practice name that conducted screening	Required	Screening information
Screening_Questions_Code (LOINC)	Char	1	Practice-based care management/care coordinator provided service to patient ("Y", "N", or "S")	Required	Adopting the Gravity Project approved LOINC Codes.
Screening_Answers_Code (LOINC)	Char	1	Patient assisted in creating a MI Bridges account ("Y", "N", or "S").	Required	Codes can be found here: <a href="https://confluence.hl7.org/display/GRAV/Social+Risk+Terminology+Value+Sets">https://confluence.hl7.org/display/GRAV/Social+Risk+Terminology+Value+Sets</a>
Intervention_Category	Char	125	Provide either or many: assistance, assessment, counseling, coordination, education, evaluation of eligibility, provision, referral, and none	Required	
Intervention_Date	Char	10	Date of intervention (format: MM/DD/YYYY)	Optional	
Screening_Provider_NPI	Num	10		Optional	
Screening_Provider_First_Name	Char	125		Optional	
Screening_Provider_Last_Name	Char	125		Optional	

# Compiling the File

*For Draft Version 4 of the SDoH Screening Use Case*

# LOINC Code Navigation

1

Go to Gravity Project's LOINC Value Sets Page

The screenshot shows the Gravity Project LOINC Value Sets page on Confluence. The page title is "Gravity Project / Resources For Implementation". The main content area contains a heading "To support implementers early in their journey, Gravity Project prepared an educational 101 session on Value Sets and their purpose in 2021. View it here." followed by a paragraph explaining the dashboard's purpose and a list of steps to download value sets. Below the text is a link "Click here to select domain of interest" and a row of domain icons. The "FOOD INSECURITY" icon is highlighted. Below the icons is a table with columns: Domain, Value Set Names in VSAC, Links to Value Sets in VSAC, and Downloadable Assessment Instruments Spreadsheets. The table lists six food insecurity-related value sets with their corresponding VSAC links and spreadsheet download links.

confluence.h17.org/display/GRAV/Social+Risk+Terminology+Value+Sets

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Pages / The Gravity Project / Resources For Implementation

**To support implementers early in their journey, Gravity Project prepared an educational 101 session on Value Sets and their purpose in 2021. View it here.**

The dashboard contains hyperlinks to domain-specific value sets for Assessment Instruments, Diagnoses, Goals, and Interventions (Procedures and Service Requests). For Assessment Instruments, VSAC has a limitation in reflecting screening question and answer pairs and their association with a panel (Assessment Instrument) code. To address this limitation, the spreadsheets in the last column below provide links between panel, question, and answer codes. For an explanation of the fields in the Assessment Instruments spreadsheets, please see Assessment Instruments Spreadsheet Guidance document here.

Gravity Project social risk data elements are published in Value Set Authority Center (VSAC) value sets. The value sets can be identified by searching for "The Gravity Project" steward. You will need to create a free National Library of Medicine (NLM) account to access the value sets. After completion of initial updates to this page on April 31st, 2023, value sets will be updated bi-annually on June 30th and December 31st.

Below is a step-by-step process to download all Gravity stewarded value sets from VSAC (see a visual reference here):

1. Select the "Search Value Sets" tab.
2. Refine by "The Gravity Project" steward.
3. Configure Matched Value Sets records to display 300 records per page.
4. Select "Search." The "Matched Value Sets" table will be populated with Gravity's Value Sets.
5. Select the checkbox to choose all of Gravity's Value Sets.
6. Select "Download." A pop-up window will appear with selections of download type. The default download type is Excel.
7. Select "Ok." Gravity's Value Sets will be downloaded into a Zip file.

Click here to select domain of interest

Food Insecurity Housing Instability Homelessness Inadequate Housing Transportation Insecurity Financial Insecurity Material Hardship Employment Status Educational Attainment Veteran Status  
Stress Social Connection Intimate Partner Violence Elder Abuse Health Literacy Medical Cost Burden Health Insurance Coverage Status

Click on the domain icons below to be redirected to its respective page containing historical domain-specific data elements (Master Lists) developed by the Gravity Project community.

Domain	Value Set Names in VSAC	Links to Value Sets in VSAC	Downloadable Assessment Instruments Spreadsheets
	Food Insecurity Screening Assessments (LOINC)	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.127/expansion/Latest">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.127/expansion/Latest</a>	Food Insecurity Assessment Instruments Codes V1
	Food Insecurity Screening Assessments Questions (LOINC)	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1196.3484/expansion/Latest">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1196.3484/expansion/Latest</a>	
	Food Insecurity Screening Assessments Answers (LOINC)	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.174/expansion/Latest">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.174/expansion/Latest</a>	
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	Food Insecurity Goals (SNOMED CT)	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.16/expansion/latest">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.16/expansion/latest</a>	
	Food Insecurity Procedures (CPT, HCPCS)	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.7/expansion/latest">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1247.7/expansion/latest</a>	



# LOINC Code Navigation

1

Go to Gravity Project's LOINC Value Sets Page

2

Select SDoH Domain

**confluence.h17.org/display/GRAV/Social+Risk+Terminology+Value+Sets**

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2

Select SDoH Domain

3

Click to Download Excel Data Set

confluence.h17.org/display/GRAV/Social+Risk+Terminology+Value+Sets

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# Ex. Food Insecurity Assessment Instruments Codes

Assessment Instrument	Panel LOINC Code	Panel Name (LOINC)	LOINC Code (Question)	Long Common Name (LOINC)	Question as on Assessment Instrument	Answer List Code (LOINC)
<a href="#">Accountable Health Communities (AHC) HRSN (Health-Related Social Needs screening tool)</a>	<a href="#">96777-8</a>	Accountable health communities (AHC) health-related social needs screening (HRSN) tool	<a href="#">88122-7</a>	Within the past 12 months we worried whether our food would run out before we got money to buy more [U.S. FSS]	Within the past 12 months, you worried that your food would run out before you got money to buy more.	<a href="#">LL5586-4</a>
<a href="#">Accountable Health Communities (AHC) HRSN (Health-Related Social Needs screening tool)</a>	<a href="#">96777-8</a>	Accountable health communities (AHC) health-related social needs screening (HRSN) tool	<a href="#">88123-5</a>	Within the past 12 months the food we bought just didn't last and we didn't have money to get more [U.S. FSS]	Within the past 12 months, the food you bought just didn't last and you didn't have money to get more.	<a href="#">LL5586-4</a>
<a href="#">American Academy of Family Physicians (AAFP) Social Needs Screening tool</a>	<a href="#">99593-6</a>	American Academy of Family Physicians Social Needs Screening Tool	<a href="#">88122-7</a>	Within the past 12 months we worried whether our food would run out before we got money to buy more [U.S. FSS]	Within the past 12 months, you worried that your food would run out before you got money to buy more.	<a href="#">LL5890-0</a>
<a href="#">American Academy of Family Physicians (AAFP) Social Needs Screening tool</a>	<a href="#">99593-6</a>	American Academy of Family Physicians Social Needs Screening Tool	<a href="#">88123-5</a>	Within the past 12 months the food we bought just didn't last and we didn't have money to get more [U.S. FSS]	Within the past 12 months, the food you bought just didn't last and you didn't have money to get more.	<a href="#">LL5890-0</a>
<a href="#">American Academy of Family Physicians (AAFP) Social Needs Screening tool (Short)</a>	<a href="#">99595-1</a>	American Academy of Family Physicians Social Needs Screening Tool - short form	<a href="#">88122-7</a>	Within the past 12 months we worried whether our food would run out before we got money to buy more [U.S. FSS]	Within the past 12 months, you worried that your food would run out before you got money to buy more.	<a href="#">LL5890-0</a>
<a href="#">American Academy of Family Physicians (AAFP) Social Needs Screening tool (Short)</a>	<a href="#">99595-1</a>	American Academy of Family Physicians Social Needs Screening Tool - short form	<a href="#">88123-5</a>	Within the past 12 months the food we bought just didn't last and we didn't have money to get more [U.S. FSS]	Within the past 12 months, the food you bought just didn't last and you didn't have money to get more.	<a href="#">LL5890-0</a>
<a href="#">HealthLeads</a>	<a href="#">99549-8</a>	Health Leads screening panel	<a href="#">95251-5</a>	In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food [U.S. FSS]	In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food?	<a href="#">LL361-7</a>
<a href="#">The Hunger Vital Sign</a>	<a href="#">88121-9</a>	Hunger Vital Sign [HVS]	<a href="#">88122-7</a>	Within the past 12 months we worried whether our food would run out before we got money to buy more [U.S. FSS]	(I/We) worried whether (my/our) food would run out before (I/we) got money to buy more.	<a href="#">LL5586-4</a>
<a href="#">The Hunger Vital Sign</a>	<a href="#">88121-9</a>	Hunger Vital Sign [HVS]	<a href="#">88123-5</a>	Within the past 12 months the food we bought just didn't last and we didn't have money to get more [U.S. FSS]	The food that (I/we) bought just didn't last, and (I/we) didn't have money to get more.	<a href="#">LL5586-4</a>
<a href="#">The Hunger Vital Sign PRAPARE</a>	<a href="#">88121-9</a> <a href="#">93025-5</a>	Hunger Vital Sign [HVS] Protocol for Responding to and Assessing Patients' Assets, Risks, and Experiences [PRAPARE]	<a href="#">88124-3</a> <a href="#">93031-3</a>	Food insecurity risk [HVS] Have you or any family members you live with been unable to get any of the following when it was really needed in past 1 year [PRAPARE]	Food insecurity risk [HVS] In the past year, have you or any family members you live with been unable to get any of the following when it was really needed?	<a href="#">LL2510-7</a> <a href="#">LL5334-9</a>
<a href="#">SEEK</a>	<a href="#">95403-2</a>	Safe Environment for Every Kid parent questionnaire - revised [SEEK] Caregiver	<a href="#">95400-8</a>	Within the past 12 months we worried whether our food would run out before we got money to buy more Caregiver [U.S. FSS]	In the past 12 months, did you worry that your food would run out before you could buy more?	<a href="#">LL361-7</a>



# Ex. Food Insecurity Assessment Instruments Codes

Assessment Instrument	Panel LOINC Code	Panel Name (LOINC)	LOINC Code (Question)	Long Common Name (LOINC)	Question as on Assessment Instrument	Answer List Code (LOINC)
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95250-7</a>	In the last 12 months, how often did you cut the size of your meals or skip meals because there wasn't enough money for food [U.S. FSS]	How often did this happen-almost every month, some months but not every month, or in only 1 or 2 months?	<a href="#">LL5585-6</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95251-5</a>	In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food [U.S. FSS]	In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food?	<a href="#">LL5584-9</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95252-3</a>	In the last 12 months, were you ever hungry but didn't eat because there wasn't enough money for food [U.S. FSS]	In the last 12 months, were you ever hungry but didn't eat because there wasn't enough money for food?	<a href="#">LL5584-9</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95247-3</a>	Which of these statements best describes the	Which of these statements best describes the	<a href="#">LL5583-1</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">88122-7</a>	Within the past 12 months we worried	(I/We) worried whether (my/our) food would	<a href="#">LL5586-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95253-1</a>	In the last 12 months, did you lose weight	In the last 12 months, did you lose weight	<a href="#">LL5584-9</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95254-9</a>	In the last 12 months, did you ever not eat for	In the last 12 months, did (you/you or other	<a href="#">LL5584-9</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95255-6</a>	In the last 12 months, how often did you not	How often did this happen-almost every month,	<a href="#">LL5585-6</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95378-6</a>	U.S. Adult Food Security Survey Score [U.S. FSS]	U.S. Adult Food Security Survey Score [U.S. FSS]	{score}
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">95353-9</a>	U.S. Adult Food Security Survey [U.S. FSS]	<a href="#">95264-8</a>	Food security status [U.S. FSS]	Food security status [U.S. FSS]	<a href="#">LL5588-0</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96585-5</a>	During the last month did you worry that food	Did you worry that food at home would run out	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96584-8</a>	During the last month did the food that your	Did the food that your family bought run out, and	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96583-0</a>	During the last month did your meals only	Did your meals only include a few kinds of cheap	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96582-2</a>	During the last month how often were you	How often were you not able to eat a balanced	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96581-4</a>	During the last month did you have to eat less	Did you have to eat less because your family	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96580-6</a>	During the last month has the size of your	Has the size of your meals been cut because your	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96579-8</a>	During the last month did you have to skip a	Did you have to skip a meal because your family	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96577-2</a>	During the last month were you hungry but	Were you hungry but didn't eat because your	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96575-6</a>	During the last month did you not eat for a	Did you not eat for a whole day because your	<a href="#">LL5727-4</a>
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">96578-0</a>	U.S. Child Food Security Survey Score [U.S. FSS]	U.S. Child Food Security Survey Score [U.S. FSS]	{score}
<a href="#">USDA to Assess Household Food Security</a>	<a href="#">96576-4</a>	U.S. Child Food Security Survey [U.S. FSS]	<a href="#">95264-8</a>	Food security status [U.S. FSS]	Food security status [U.S. FSS]	<a href="#">LL5588-0</a>
<a href="#">US Household Food Security Survey: Six-Item</a>	<a href="#">95361-2</a>	U.S. Household Food Security Survey -	<a href="#">88123-5</a>	Within the past 12 months the food we	The food that (I/we) bought just didn't last, and	<a href="#">LL5586-4</a>
<a href="#">US Household Food Security Survey: Six-Item</a>	<a href="#">95361-2</a>	U.S. Household Food Security Survey -	<a href="#">95248-1</a>	In the last 12 months, we couldn't afford to	"(I/we) couldn't afford to eat balanced meals."	<a href="#">LL5586-4</a>
<a href="#">US Household Food Security Survey: Six-Item</a>	<a href="#">95361-2</a>	U.S. Household Food Security Survey -	<a href="#">95249-9</a>	In the last 12 months, did you ever cut the	In the last 12 months, since last (name of current	<a href="#">LL5584-9</a>
<a href="#">US Household Food Security Survey: Six-Item</a>	<a href="#">95361-2</a>	U.S. Household Food Security Survey -	<a href="#">95250-7</a>	In the last 12 months, how often did you cut	How often did this happen-almost every month,	<a href="#">LL5585-6</a>
<a href="#">US Household Food Security Survey: Six-Item</a>	<a href="#">95361-2</a>	U.S. Household Food Security Survey -	<a href="#">95251-5</a>	In the last 12 months, did you ever eat less	In the last 12 months, did you ever eat less than	<a href="#">LL5584-9</a>



# Prefer Website Method: Search for the LOINC Code Panel

Panel Code

LOINC CODE  
**96777-8**

LONG COMMON NAME

**Accountable health communities (AHC) health-related  
social needs screening (HRSN) tool**

LOINC STATUS

**Active**

## Term Description

The Accountable Health Communities (AHC) Health-Related Social Needs (HRSN) Screening Tool is designed to assess the the health-related social needs of Medicare and Medicaid beneficiaries, in an effort to determine impact on health care costs and health outcomes. Five specific domains are addressed: housing instability, food insecurity, transportation problems, utility help needs, and interpersonal safety.

Source: Regenstrief LOINC

## Panel Hierarchy

Details for each LOINC in Panel LHC-Forms

LOINC	Name	R/O/C	Cardinality	Example UCUM Units
96777-8	Accountable health communities (AHC) health-related social needs screening (HRSN) tool			
71802-3	What is your living situation today?			
96778-6	Think about the place you live. Do you have problems with any of the following?		1..7	
88123-5	Within the past 12 months, you worried that your food would run out before you got money to buy more.			
88123-5	Within the past 12 months, the food you bought just didn't last and you didn't have money to get more.			
93030-5	In the past 12 months, has lack of reliable transportation kept you from medical appointments, meetings, work			

The individual questions are codified

# Example Continued

## Survey Question

Text	(I/We) worried whether (my/our) food would run out before (I/we) got money to buy more.
Source	U.S. Household Food Security Survey Module.HH2

## Normative Answer List LL5890-0

Answer	Code	Score	Answer ID
Often true			LA28397-0
Sometimes true			LA6729-3
Never true			LA28398-8

The answers  
are codified

## Member of these Panels

# Review of Completed File

*For Draft Version 4 of the SDoH Screening Use Case*

# File Management and Patient Information

Source_Name	Source_OID	Row_ID	Screenee_Unique_ID	SSN4	CKS	First_Name	Last_Name	DOB	Sex	Race	Ethnicity	Address_1	Address_2	City	Postal_Code	State	Mobile_Number	Home_Number
Lansing PO	5.1.9.7	2	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	3	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	4	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	5	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	6	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	7	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555
Lansing PO	5.1.9.7	8	987654321	5987	afeuwsdsvolvrdzu6dufr	Marlene	Arellano	02/19/1957	F	2106-3	2135-2	1725 Slough Avenue		Scranton	18503	MI	555-555-5555	515-555-555

**Screenee\_Unique\_ID** – could be system’s Medical Record Number (MRN)

**Race and Ethnicity** – codes follow CDC’s website

# Screening and Intervention Information

Screen_Id	Screen_Date	Screening_Practice_Name	Screening_Practice_OID	Screening_Questions_ Code (LOINC)	Screening_Answers_ Code (LOINC)	Intervention Category	Intervention_Date	Screening_Provider_ _NPI	Screening_Provider_ _First_Name	Screening_Provider_ _Last_Name
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	96446-0	LA33-6	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	88122-7	LA6729-3	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	71802-3	LA31995-6	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	93030-5	LA32-8	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	95618-5	LA6270-8	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	76513-1	LA31980-8	Referral	02/02/2023	1234567890	Jeremy	Trager
abcde	02/01/2023	Lansing Family Medicine	5.1.9.7	93673-2	LA32-8	Referral	02/02/2023	1234567890	Jeremy	Trager

**Screen\_Id** – Identification number for the individual screening. In this example one screening was performed with multiple questions and answers.

# Reminder: Key MiHIN Timeline Dates

- **October 2023:**
  - Outward campaign to inform about v4.0
  - Increased questions coming in to MiHIN
  - Increased coordination with Account Managers and the CSDS team
  - No additional onboardings to anything but v3.0 2022
- **January 2024:**
  - PI planning to ensure finalized v4.0
- **July 2024:**
  - V4.0 starts to be accepted
  - Will need to ensure migration of all submitting orgs by December 2024
- **January 2025:**
  - No other file specification will be accepted



# Questions & Discussion

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# THANK YOU

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## LET'S CONNECT



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