

Social Determinants of Health Work at Mount Sinai St. Luke's

Theresa Soriano, MD, MPH
Senior Vice President, Care Transitions & Population Health



**Mount
Sinai**

SDH: Internal Medicine Residency Curriculum

Ambulatory Rotation

- ▶ Art and Practice Sessions (PGY1) – using GNYHA curricular materials; longitudinal small group sessions focused on equitable patient-centered care topics (e.g. LEP/health literacy, SDH/ health disparities, cultural competency, motivational interviewing)

Primary Care Track

- ▶ GNYHA CBO Immersion training collaboration: partnering with City Health Works to understand the role of the health coach in improving health outcomes for patients.
- ▶ DANY Grant activities: immersive two week block focused on understanding the health needs and delivery of services for the West Harlem population. Trainees will engage in hotspotting activities, mental health integration, visiting public housing to understand environmental contributors to health, home visits, understanding the role of CBO-health system partnerships
- ▶ Longitudinal projects- focusing on one aspect of community health related to residents' patient population(s)

SDH Screening Pilot: Tool Development

Nov 2016

Nov 2016 - June
2017

Sept 2017

Aug 2017

1. SDH
Workgroup
charged with
developing SDH
Tool for pilot by
MS PPS
Partners

2. SDH
Workgroup
vetted existing
SDH tools and
interviewed tool
authors

3. MS PPS
SDH tool
and CMS
AHCS tool
selected

4. MSSL
customized
PPS
recommended
tool for pilot
groups



**Mount
Sinai**
Performing
Provider
System

Tools Reviewed
















Health Leads
PRAPARE
CMS Accountable Health
Communities Screen
(AHCS)
Mount Sinai Health
Partners Comprehensive
Assessment
Hunger Vital Sign



**Mount
Sinai**
St. Luke's

SDH Screening Pilot: Workflow

- ▶ October 2017
- ▶ Screen conducted interview style on paper screening tool
- ▶ Screeners are social workers or social work interns
- ▶ Screening locations:
 - Outpatient: OB/GYN and sickle cell disease
 - Inpatient: trauma and sickle cell disease
 - Emergency Department: sickle cell disease
- ▶ Positive screens result in resources being provided, often by use of NowPow

	SDH Domain	Question	Patient Response	Final Assessment	Notes
1	Food 	Do you/your immediate family currently have access to enough food each day?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
2	Housing 	Do you/your immediate family currently have a safe place to live each day?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
3	Income 	Are you/your immediate family able to afford your basic needs most or all of the time? Examples: food, housing, telephone, electric/gas, medications, etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
4	Literacy 	Are you/someone in your immediate family able to read and understand health care/other important information in your preferred language?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
5	Social 	Do you have someone whom you trust and to whom you can go with personal difficulties?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
6	Safety 	Do you feel safe? (Not currently being harmed or not concerned of being harmed in any way by someone in your life.) Ex: emotionally, financially, physically, etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
7	Legal 	Do you need legal assistance? Examples: child and family services, immigration, housing discrimination, domestic issues, etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
8	Transportation 	Do you have access to transportation to get where you need on a daily basis? Examples: medical appointments, work, school, etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
9	Healthcare 	Do you have a primary medical doctor that you have visited in the past six months?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
10	Medication 	Do you have any problems filling prescribed medications?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
11	Mental Health 	Do you feel hopeless or anxious?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
12	Substance Use 	Has alcohol or drug use led to health, social, legal, or financial problems for you?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	
13	Consent 	Would you like help with any of the discussed topics?	<input type="checkbox"/> Would like help <input type="checkbox"/> Declined help		
		Do we have permission to share your information with community organizations that may be able to help you?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
14	Other 	Is there any other need we have not discussed that you would like assistance with? (if so, please specify to the right).	<input type="checkbox"/> Yes <input type="checkbox"/> No		
If patient has primary or secondary diagnosis of sickle cell disease, please ask the following question:					
15	Healthcare 	Do you need help scheduling follow-up with a sickle cell specialist?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Urgent	

SD Pilot: Referral of positive screens

Positive screens reviewed, assessed and NowPow resource list provided



Screening results documented and results uploaded

SERVICE CATEGORIES	
Centers	Home Maintenance
Childcare and Parenting	Hotlines
Dental and Vision	Housing
Education	Immigrant Support
Emergency and Crisis Help	Legal
Employment	Long-term Services and Supports
Exercise and Physical Fitness	Medical and Healthcare
Family Planning and Pregnancy	Mental Health
Financial Assistance	Mobile Care Services
Food and Nutrition	Safety and Prevention
Goods	Seniors
Healthcare Supplies and Medicine	Substance Use Treatment
	Technology
	Transportation

Create New HealthRx

Location

Enter an address



Choose how to create your eRx

SERVICE CATEGORIES



e.g. Food and Nutrition, Housing, Mental Health, Transportation

or

CONDITIONS



e.g. Asthma, Diabetes, Homelessness, Substance Abuse

SDH Screening Pilot: preliminary findings

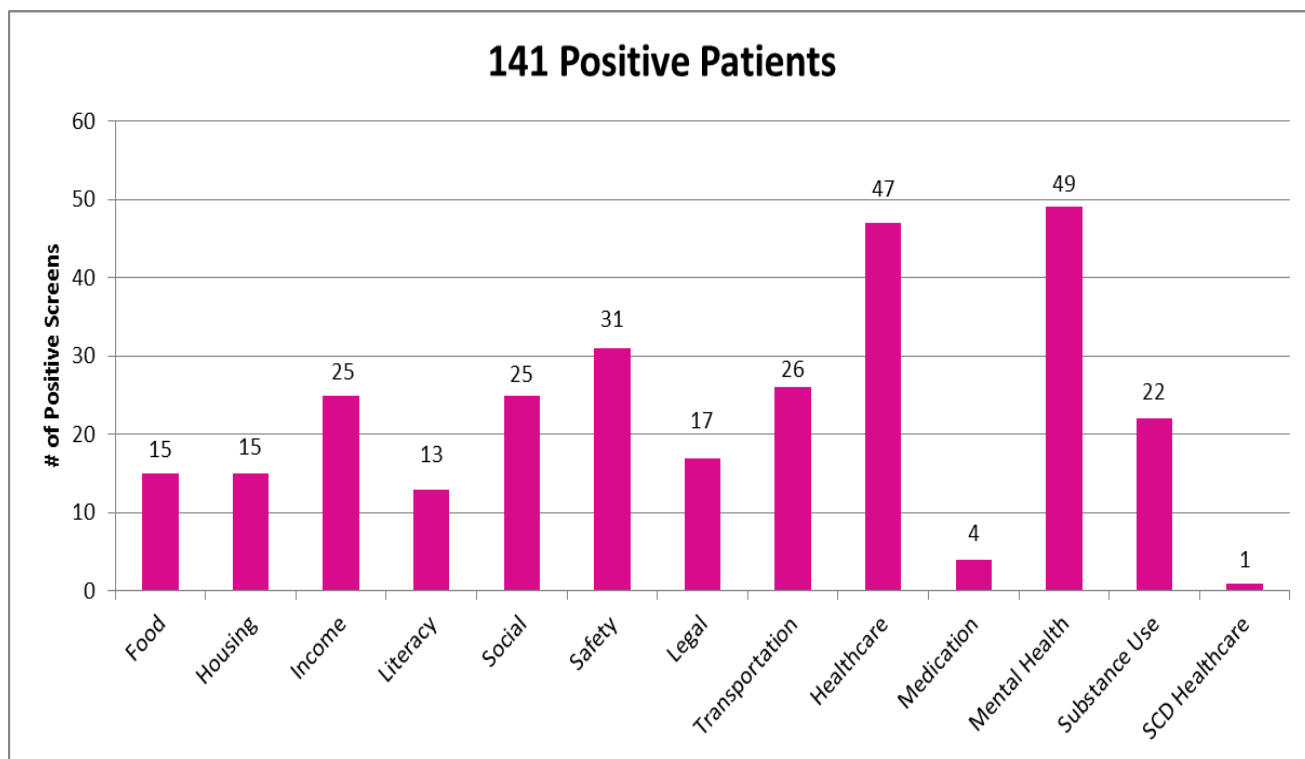
Total screens: 269

52% positivity rate

Top domains:

1. Mental health concerns (22%)
2. Access/connection to primary care (17%)
3. Emotional, financial, or physical safety (12%)

74% of positive patients screen for 1-2 needs



Data as of April 6, 2018

Note: the denominator of the mental health question is smaller than the healthcare question, but a higher percentage of patients reported mental health concerns

Staff Experience with SDH Screening

- ▶ Screening helps to engage patients to report psychosocial stressors
 - Screenings offer patients a safe space to address concerns that may not have been discovered or addressed otherwise
- ▶ Utilizing social work/ clinical skills is essential as a follow-up to positive screens
- ▶ Even patients who deny resources and referrals may need supportive counseling
- ▶ Screener experience and input is essential to refining the process
 - Leveraging existing workflows is crucial to adoption
- ▶ EMR integration is an intensive, but worthwhile, endeavor so care team can see screening results

SDH Screening: from Pilot to Practice

- ▶ Integrate screening tool into EMR
 - Exploring pilot for patient-facing app
- ▶ Q4 2018: Begin expanding to other services across MSSL
- ▶ Link positive screens to ICD 10 codes to quantify/standardize data

Taking SDH Digital: EMR Integration

- ▶ Building SDH screening workflows into the EMR is key to move from pilot to widespread adoption
- ▶ Reducing question duplication for patient and providers in hospital
 - Reviewing screens and assessments completed by other disciplines e.g. nursing, nutrition, physical therapy, care management, to eliminate overlap
 - Working with IT to autopopulate fields of other forms if already answered
 - Ideal state: SDH snapshot in patient record of social needs reported from various screens and assessments
- ▶ Aiming to reduce question duplication for patients in other settings where they might receive care (e.g. FQHCs, SNFs)

Taking SDH Digital: Z Codes

Domain	Screening Question	Possible Z Code
Food	Do you/your immediate family currently have access to enough food each day?	Z59.4- Lack of adequate food and safe drinking water
Housing	Do you/your immediate family currently have a safe place to live each day?	Z59: Problems related to housing and economic circumstances Z59.0- Homelessness Z59.1- Inadequate housing
Income	Are you/your immediate family able to afford your basic needs most or all of the time?	Z56: Problems related to employment and unemployment Z59.6- Low income Z59.7- Insufficient social insurance and welfare support
Literacy	Are you/someone in your immediate family able to read and understand health care/other important information in your preferred language?	Z55: Problems related to education and literacy
Social	Do you have someone whom you trust and to whom you can go with personal difficulties?	Z63.9- Problem related to primary support group, unspecified
Legal	Do you need legal assistance?	Z65.3- Problems related to other legal circumstances

Taking SDH Digital: Z Codes

Domain	Screening Question	Possible Z Code
Safety	Do you feel safe?	No precise match
Transportation	Do you have access to transportation to get where you need on a daily basis?	No precise match
Healthcare	Do you have a primary medical doctor that you have visited in the past six months?	No precise match
Medication	Do you have any problems filling prescribed medications?	No precise match
Mental Health	Do you feel hopeless or anxious?	No precise match
Substance Use	Has alcohol or drug use led to health, social, legal, or financial problems for you?	No precise match
SCD Healthcare	Do you need help scheduling follow-up with a sickle cell specialist?	No precise match

Thank you

theresa.soriano@mountsinai.org

