





Social Determinants of Health Data

Julia E. Iyasere, MD, MBA

Executive Director, Dalio Center for Health Justice; Senior Vice President, Health Justice and Equity, New York-Presbyterian; and Assistant Professor of Medicine, Columbia University Irving Medical Center

We Ask Because We Care is a component of HANYS Advancing Healthcare Excellence and Inclusion learning collaborative, launched with generous support from the Mother Cabrini Health Foundation. The goal is to improve the accuracy and completion of patient demographic data while cultivating community understanding of how hospitals use this data to inform patient care and improve health outcomes.





Agenda

- Introductions
 - HANYS AHEI team
 - AHEI faculty
- Our partners
- Session 4:
 - Social determinants of health data
- Upcoming series







HANYS AHEI team



Kathleen Rauch, RN, MSHQS, BSN, CPHQVice President, Quality Advocacy, Research and Innovation and Post-acute and Continuing Care



Christina Miller-Foster, MPA
Senior Director, Quality Advocacy,
Research and Innovation



Morgan Black, MPA
Director,
AHEI



Maria Baum, MS, RN, CPHQ
Project Manager,
Mohawk Valley



Rachael Brust, MBA
Project Manager,
North Country



Kira Cramer, MBAProject Manager,
Downstate





HANYS faculty



Julia E. Iyasere, MD, MBA

Executive Director, Dalio Center for Health Justice; Senior Vice President, Health Justice and Equity, New York-Presbyterian; and Assistant Professor of Medicine, Columbia University Irving Medical Center



Theresa Green, PhD, MBA

Director, Community Health Policy and Education, **URMC Center for Community Health**



Pamela Y. Abner, MPA, CPXP

Vice President and Chief Diversity Operations Officer, Mount Sinai Health System



Barbara Warren, PsyD, CPXP

Senior Director, LGBT Programs and Policies, Mount Sinai Office for Diversity and Inclusion



Shana Dacon-Pereira, MPH, MBA

Assistant Vice President, Corporate Health System Affairs Mount Sinai Office for Diversity and Inclusion







Our funder and partner



OUR FUNDER

Funding from the Mother Cabrini Health Foundation allows HANYS to expand its capacity to provide education, direct support, tools and data to our members in a strategic way. With this learning collaborative, we strive to effect lasting change in health equity at the local level by engaging providers and community stakeholders to address health disparities.



OUR PARTNER

Through a partnership with Socially Determined, provider of Social Risk Intelligence™ solutions, <u>DataGen</u> will develop custom analytics for participants to help them understand how and where communities are affected by social risk so they can develop tailored intervention strategies.

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Session objectives

After this session, participants will be able to:

- 1) complete SDoH assessments;
- 2) communicate how SDoH information is used and why it is important;
- 3) identify next steps when a patient screens positive; and
- 4) develop a robust referral process.







Presenter



Julia E. Iyasere, MD, MBA

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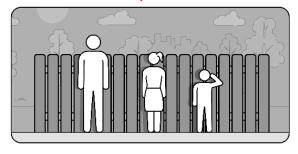
Social Determinants of Health Data Collection and Referral at NewYork-Presbyterian

Julia Iyasere, MD MBA

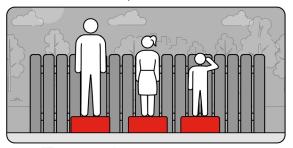
SVP, Health Justice and Equity at NYP

Executive Director, Dalio Center for Health Justice

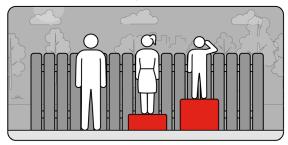
INEQUALITY



EQUALITY



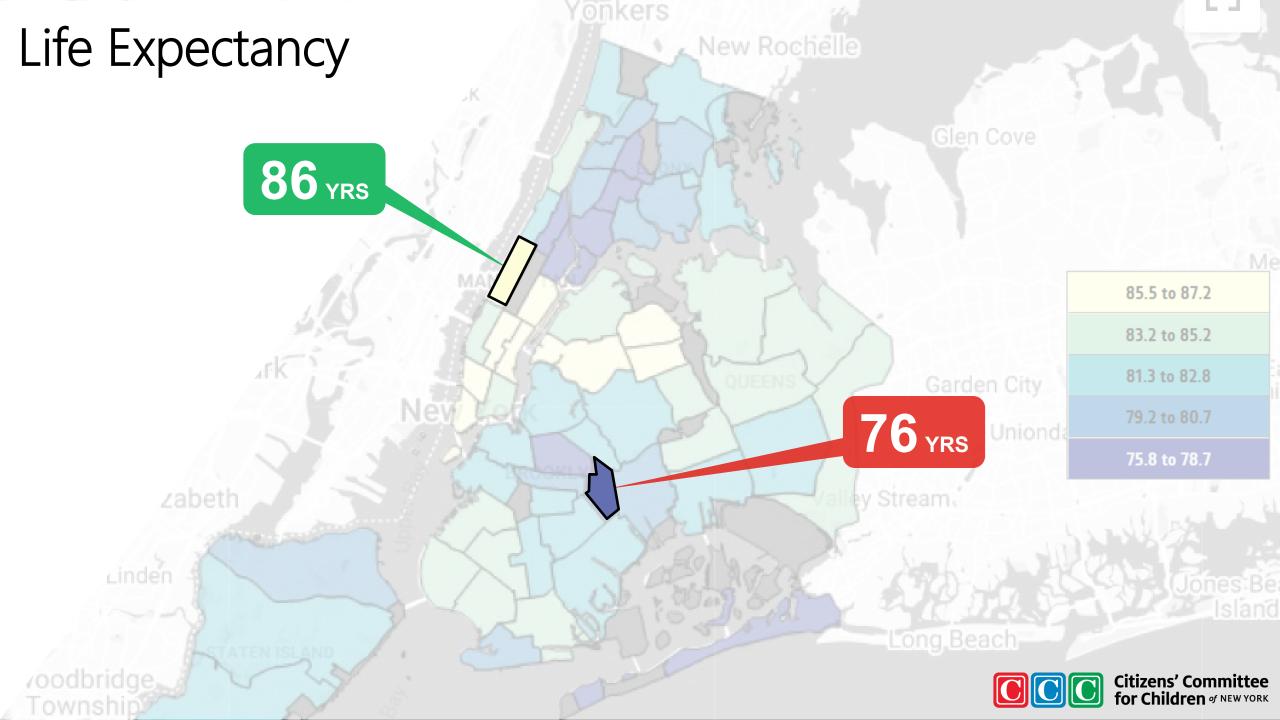
EQUITY

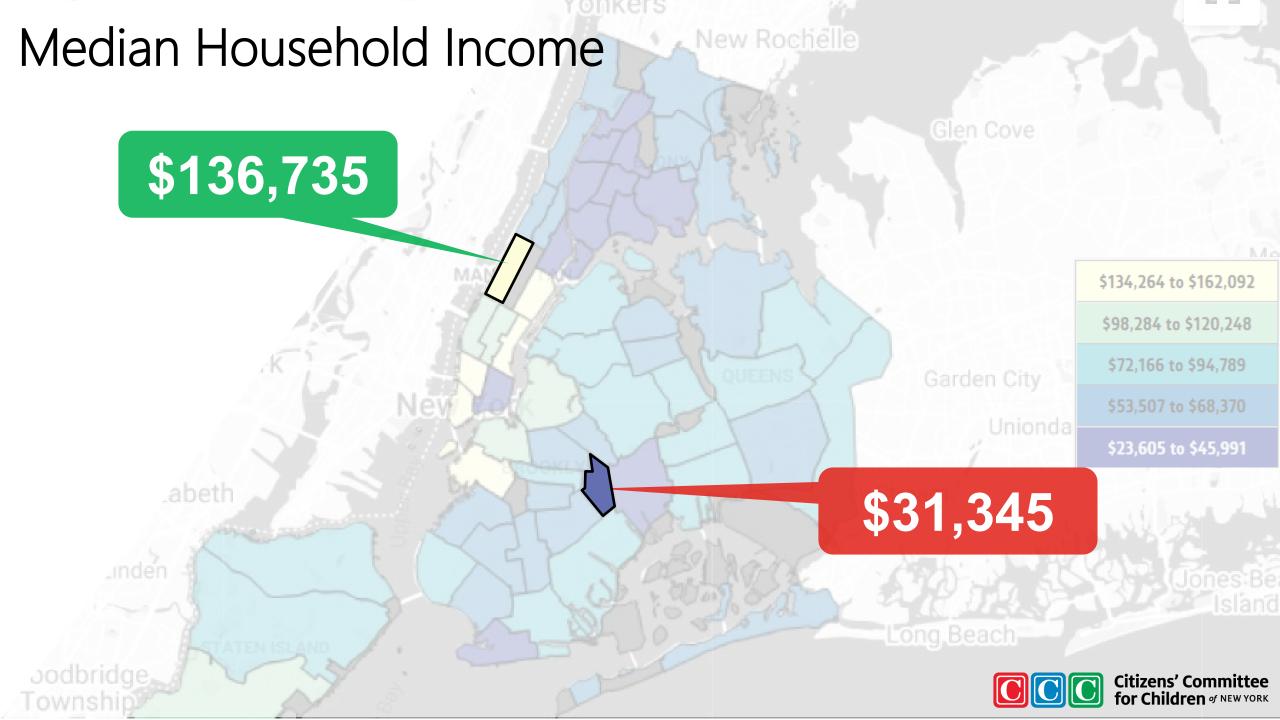


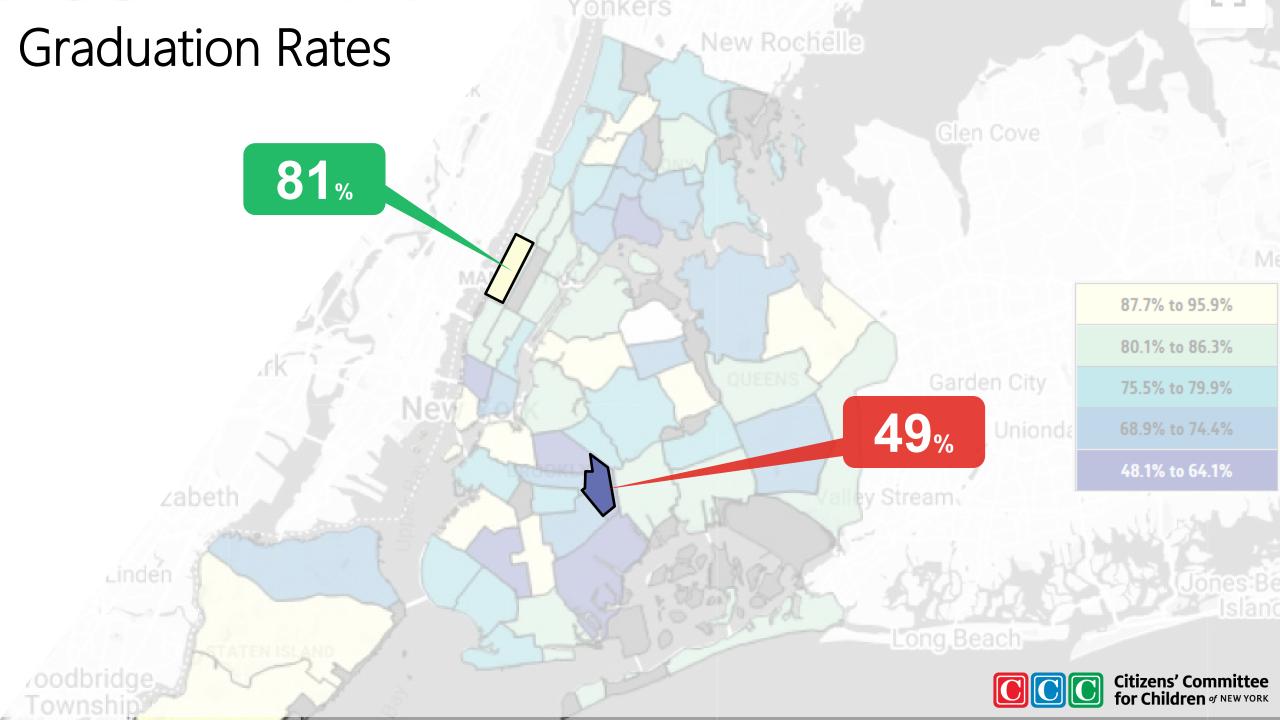
JUSTICE

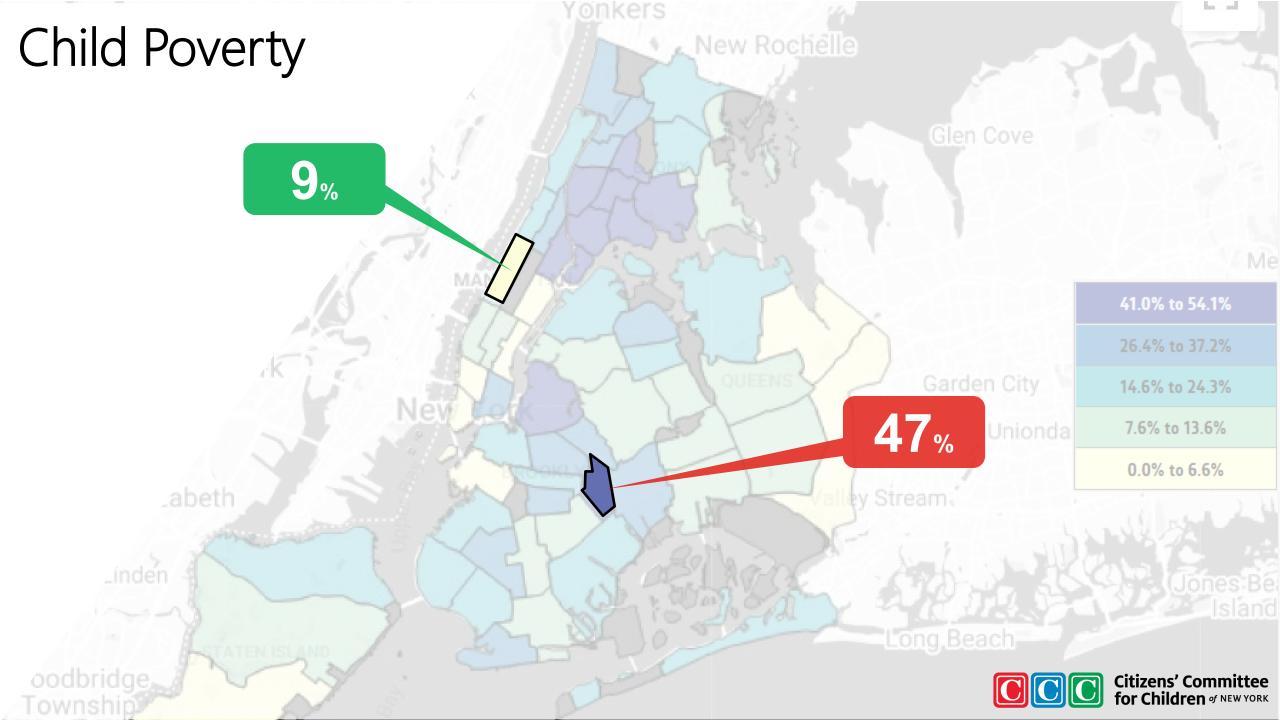


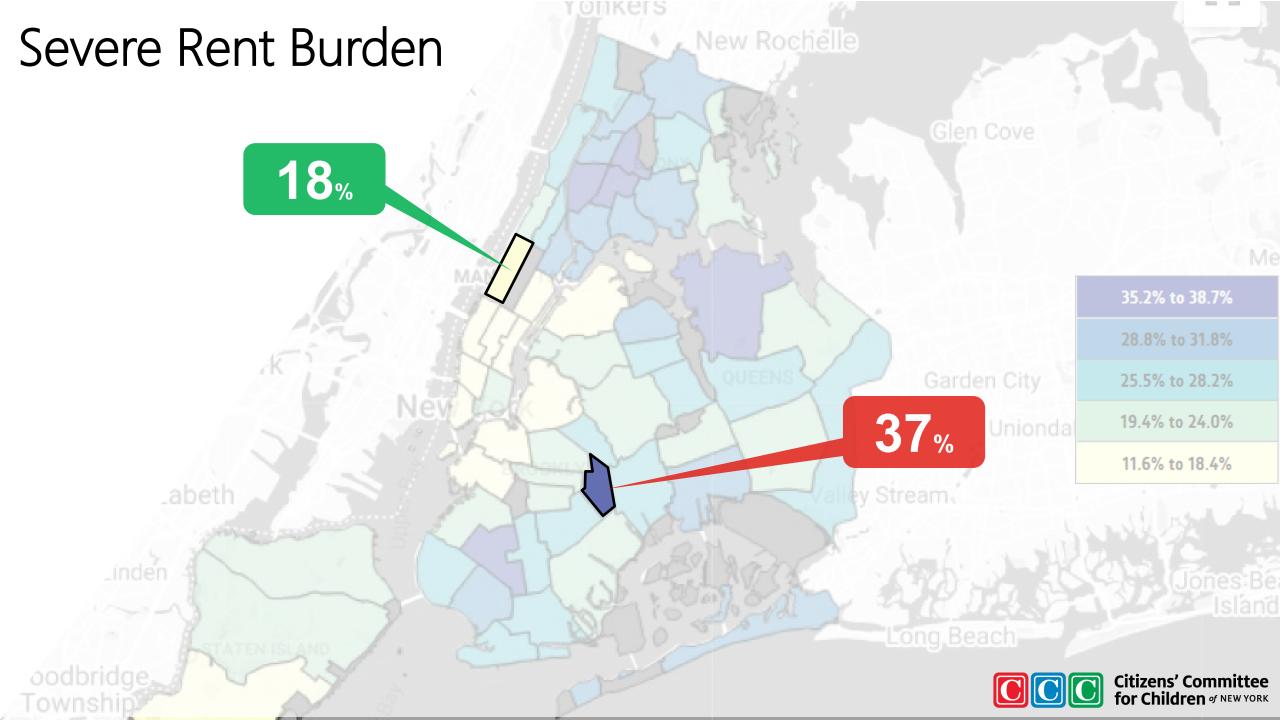
Our mission is to be a leader in understanding and improving health equity and proactively address the **systemic inequities** and **structural factors** that create conditions for poor health.



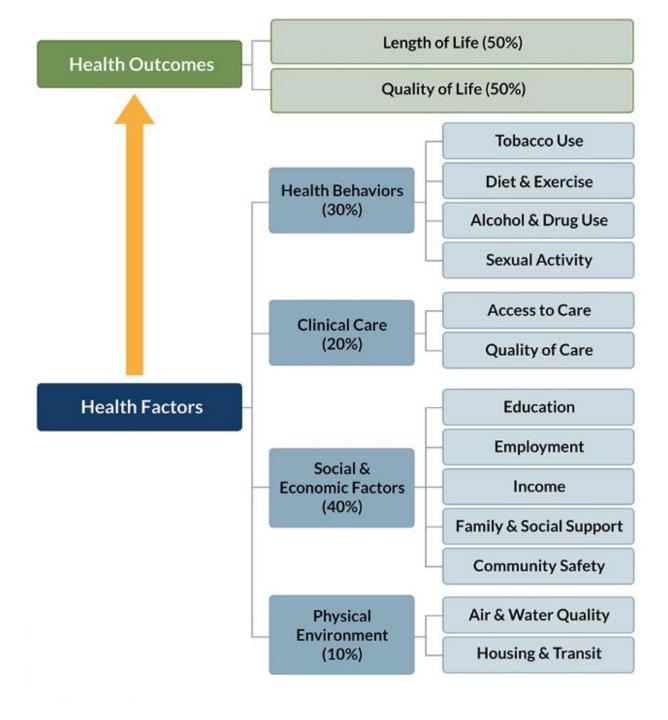












Social determinants of health are the conditions in which people are born, grow, live, work, and age. ¹

They include factors like socioeconomic status, education, neighborhood and physical environment, employment, and social support networks, as well as access to health care.

...three options

Self-reported, Individual-level SDoH Data Elements

Social risk data collected directly from patients and/or caregivers.

e.g. PRAPARE, AHC

Neighborhood-level SDoH Data Elements

Community-level social risk data, typically from public sources

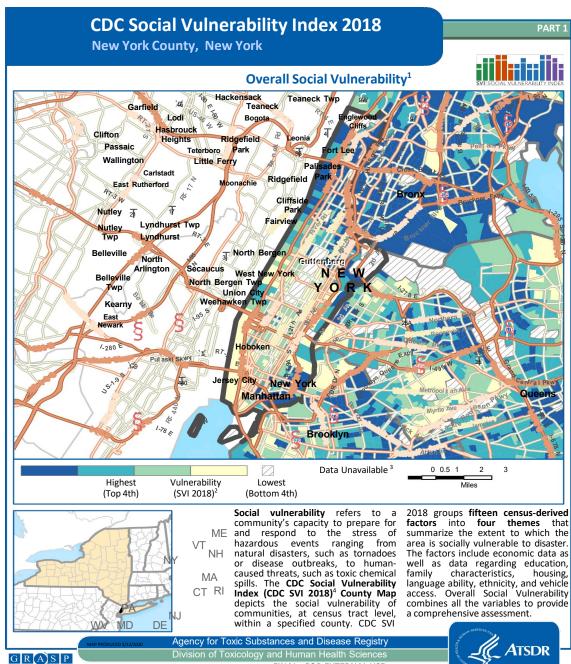
e.g. US Census, CDC, CRDC, HUD

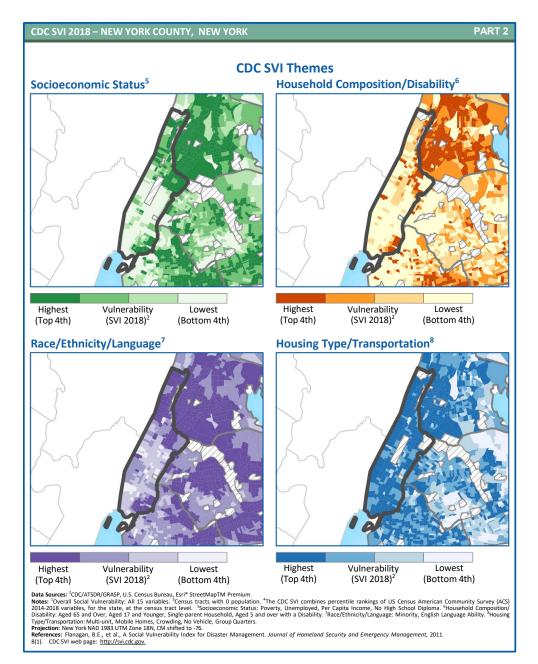
Social-risk Indices

Community-level aggregations of social risk data, summarized in a composite numerical result

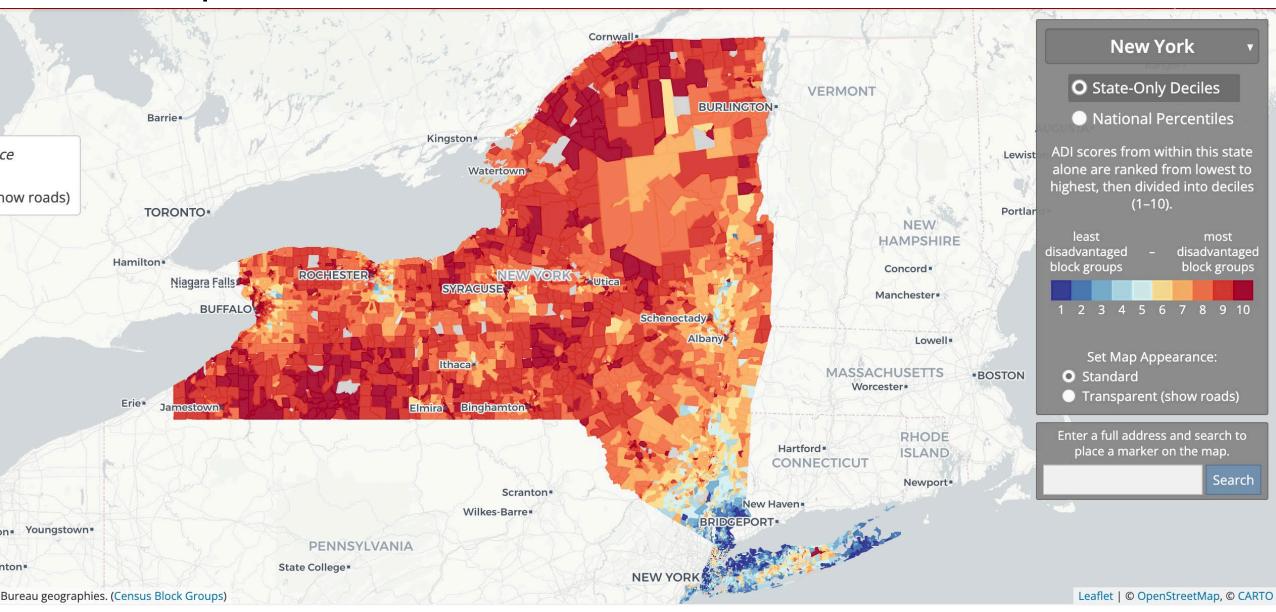
e.g. SVI, ADI, CNI

Some Examples





Area Deprivation Index



...three options

Self-reported, Individual-level SDoH Data Elements

Social risk data collected directly from patients and/or caregivers.

e.g. PRAPARE, AHC

Neighborhood-level SDoH Data Elements

Community-level social risk data, typically from public sources

e.g. US Census, CDC, CRDC, HUD

Social-risk Indices

Community-level aggregations of social risk data, summarized in a composite numerical result

e.g. SVI, ADI, CNI

Benefits and Limitations

Self-reported, Individual-level SDoH Data Elements

- ✓ Specific to the patient, highly reflective
 of actual needs
- ✓ Timely and recent

- Not readily available
- **x** Requires **substantial resources** to collect
- Collection bias?

Neighborhood-level SDoH Data Elements

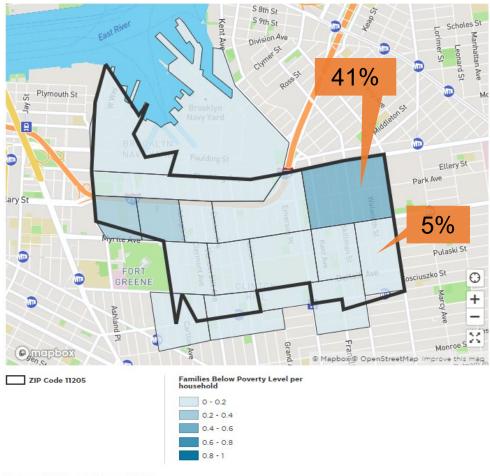
✓ Many data sources exist and are publicly available

- Not specific to the patient, assumes the patient shares the characteristics of the neighborhood
- ✗ Many not be timely or recent
- ➤ Not all measures are available at the required geographic specificity
- ➤ Requires moderate resources to collect, aggregate, and maintain data

Social-risk Indices

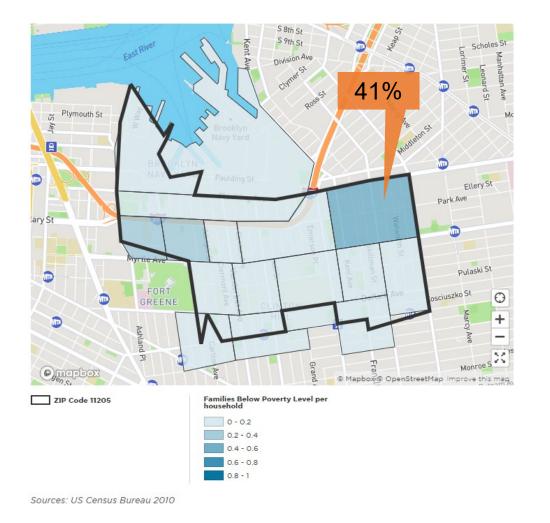
- ✓ Many index options exist and are publicly available
- ✓ Requires minimal resources to select and maintain index data
- ✓ Aggregates several needs
- Not specific to the patient, assumes the patient shares the characteristics of the neighborhood
- Many not be timely or recent
- Not all indices are available at the required geographic specificity
- Indices may include variables that are not applicable to every use case

% of Families below Poverty Level, 11205 **US Census 2010**

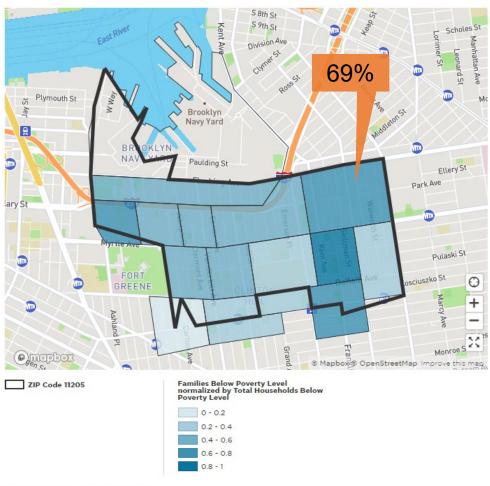


Why is Geographic Specificity Important?

% of Families below Poverty Level, 11205 **US Census 2010**



% of Families below Poverty Level, 11205 **US Census 2000**



Sources: US Census Bureau 2000

...three options

Self-reported, Individual-level SDoH Data Elements

Focused, Phased Screening

Paired with referral programs

Neighborhood-level SDoH Data Elements

Community Health Risk Assessment

Community Service Planning

Social-risk Indices

Following as a tool for external agencies/entities

Why should we invest resources in SDoH screening?

1. To advance the hospital's equity goals

2. To improve patient outcomes

To respond to external requirements and rankings







Food Insecurity in Patients
Utilization

Etienne J. Phipps , S. Brook Singletary, Clarissa A. Cooblall, Horacoo

↑ Population Health Management > Vol. 19, No. 6 > Origina

readmissions

Published Online: 1 Dec 2016 | https://doi.org/10.1089/pop.2015











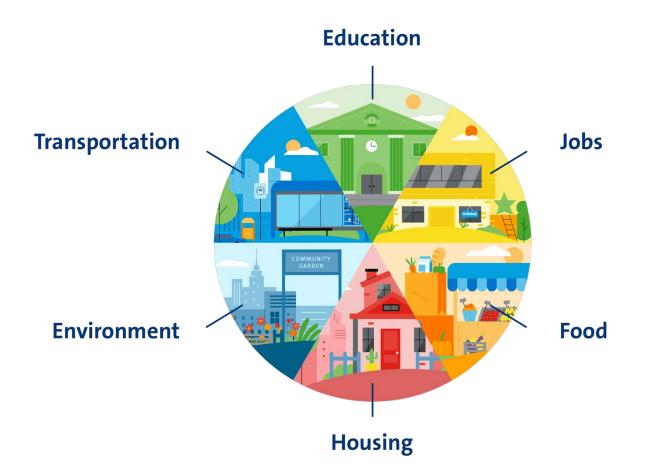






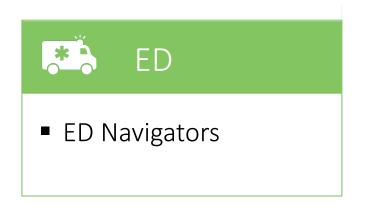




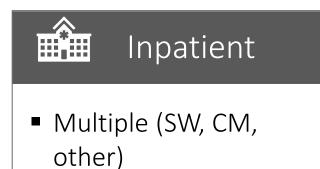


To address the health-related social needs that affect patient health outcomes, NYP is committed to implementing Social Determinants of Health (SDoH) screening and navigation in departments and practices across the enterprise.

Social Determinants of Health Screening Overview







Consistent **Domains**: Food, Housing, Transportation

Standardized Workflows: Epic & NowPow/UniteUs

Consistent Definitions & Reporting

Campus-specific Clinical Champions

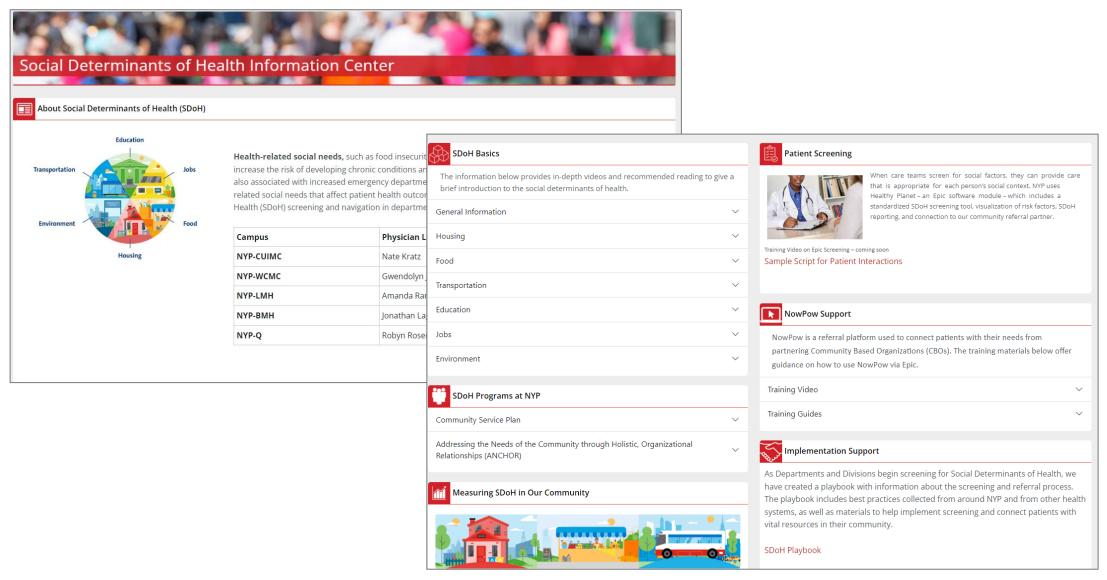
Social Determinants of Health Screening Overview



01 Resource Development

- Site Champions
- Training Materials
- Epic Screening Tools
- NowPow Interface
- Staff Resources (infonet)
- Patient Resources (nyp.org)

Social Determinants of Health Resources & Materials



Social Determinants of Health Screening Overview



01 Resource Development



02 Emergency Department (ED) Screening

- Patient Navigators to Support Screening
- ED Physician Champions

☑ Jun 2022

☑ Sep 2022



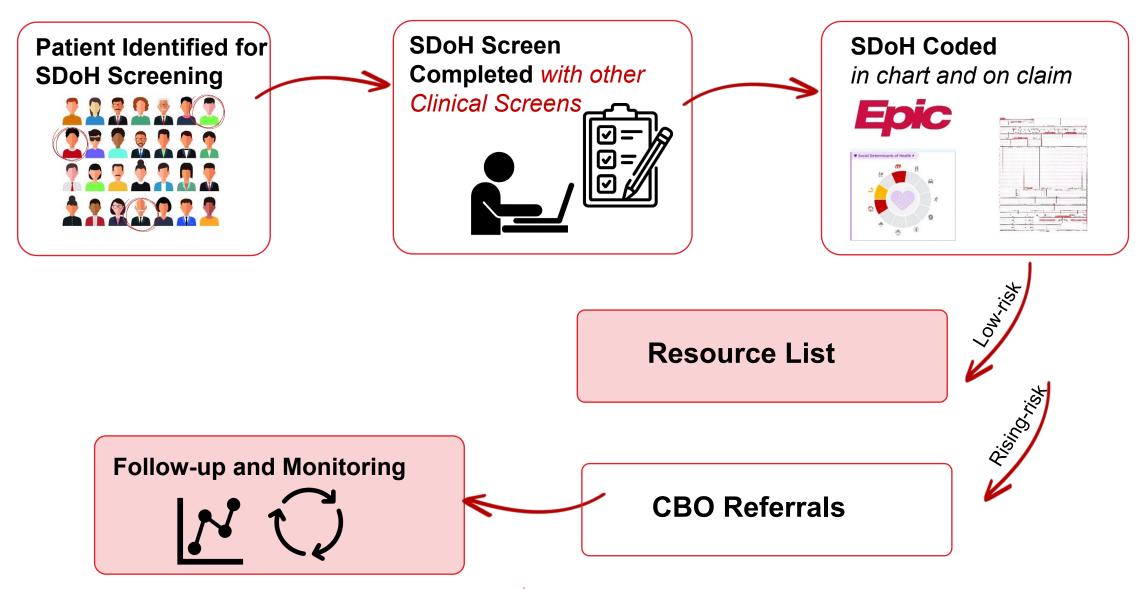
Location: ED & Inpatient

Role:

- Deliver bilingual, peer-based education and support
- Patient-centered appointment scheduling
- Connect to insurance/financial support
- Support appointment adherence
- Support patient portal enrollment and navigation
- Screen for SDoH + connect to support



Patient Level SDoH Screening at NYP



Risk Stratification

ACTION

High-risk: Eligible for a special program, such as Health Home, or ACO support

✓ Refer to Health Home

Rising-risk: 2+ Emergency Dept Visits in the past year, and 1+ Social Need

✓ Closed-loop Navigation by Navigators, CHWs, or CRCs



✓ Health eRx community resources

No risk: No social needs

✓ No action

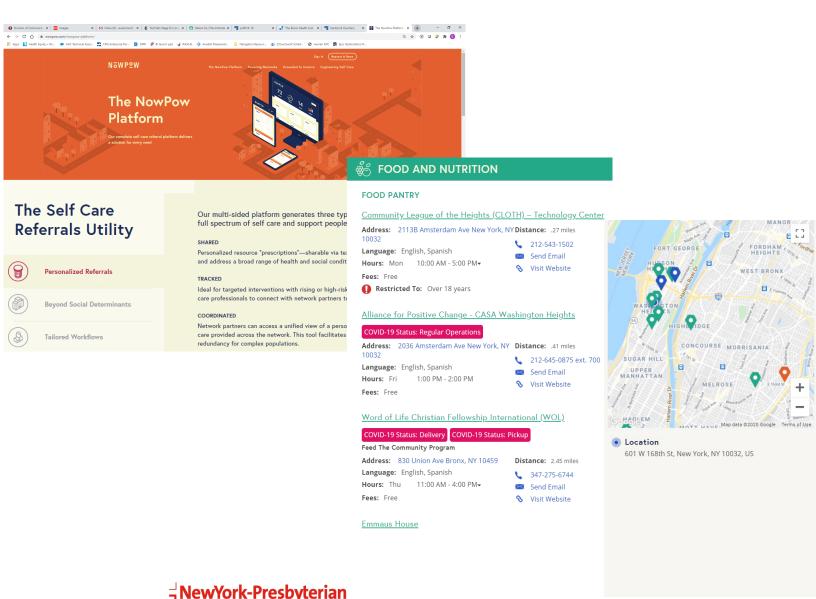


PIOK

SDoH Screening and Referral Program

NowPow allows the user to engage with:

- Community Resource Directory
- Tracked Referrals
- Co-management



SDoH Screening and Referral Program



MORRISANIA

Nudge

+ Add Referral



ED Navigators

0

Outpatient

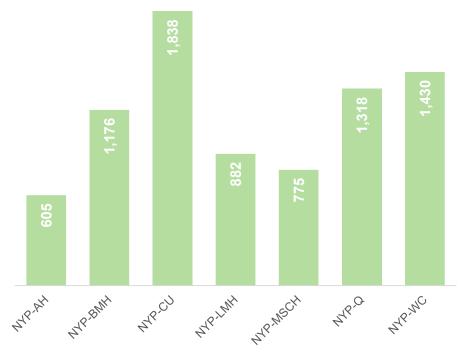
Community Health Workers



Inpatient

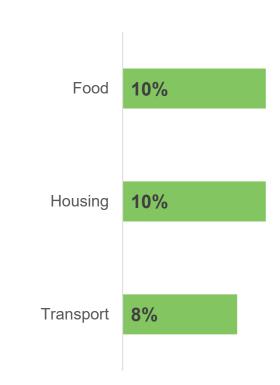
Multiple (SW, CM, other)

8k+ screens



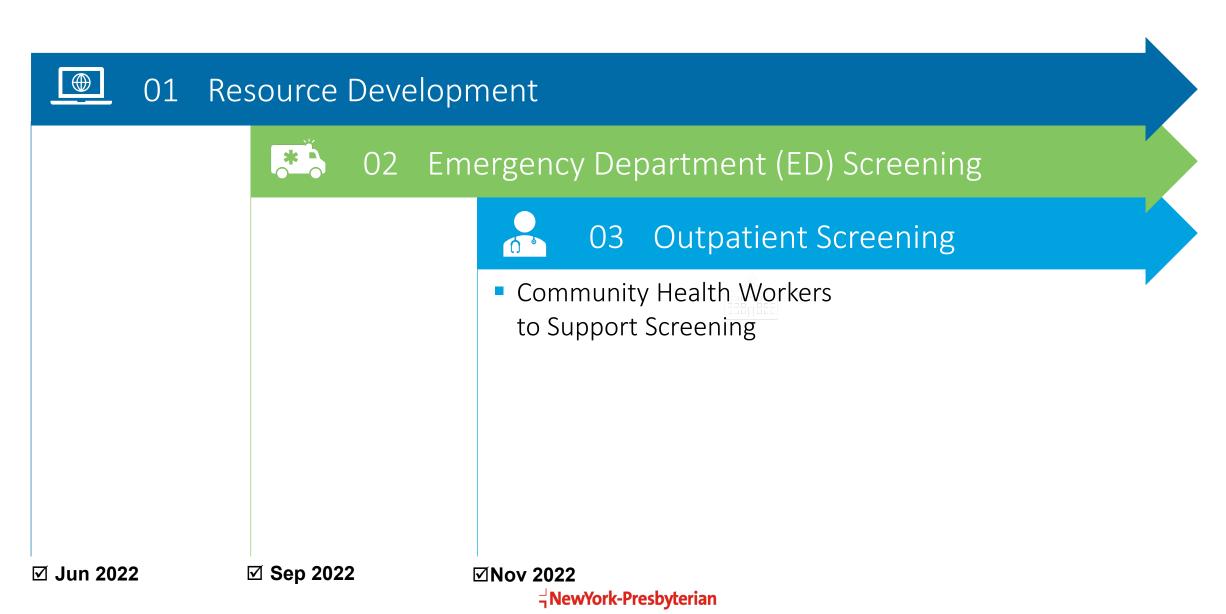
7 (8%) Low-risk Patients

750 (9%) Risingrisk Patients



Nov 1, 2022 – March 25, 2023

SDoH Screening Overview





Outpatient Screening and Referral Process

Screening

Epic MyChart Telephone screen

Kiosk screen

In-person screen

Referral

Low-risk: Waiting Area as a Literacy and Learning Environment (WALLE)
Team

Rising-risk: Community
Health Worker Team



ED Navigators



Outpatient

Community Health Workers



III Inpatient

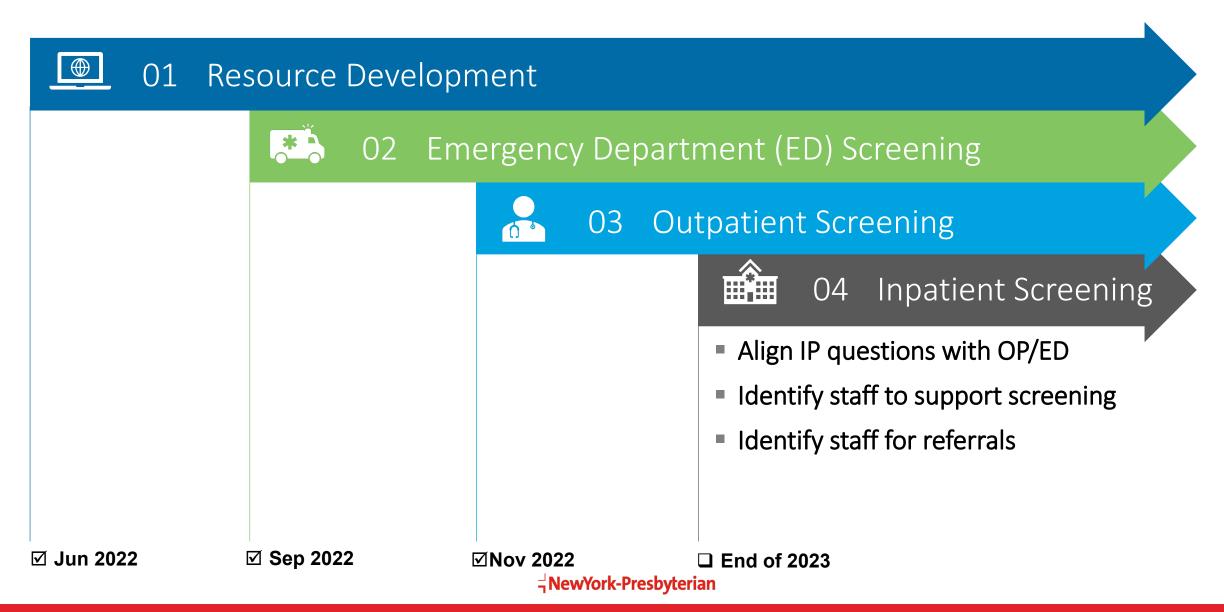
Multiple (SW, CM, other)

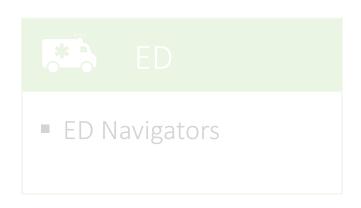
- NYP has a long history of SDoH screening and referral
- Practices in various stages of implementation
- SDoH playbook & resources developed to support practices

22,000+

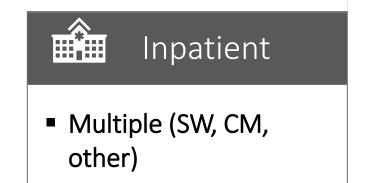
Patients screened at **Outpatient sites**

Social Determinants of Health Screening Overview





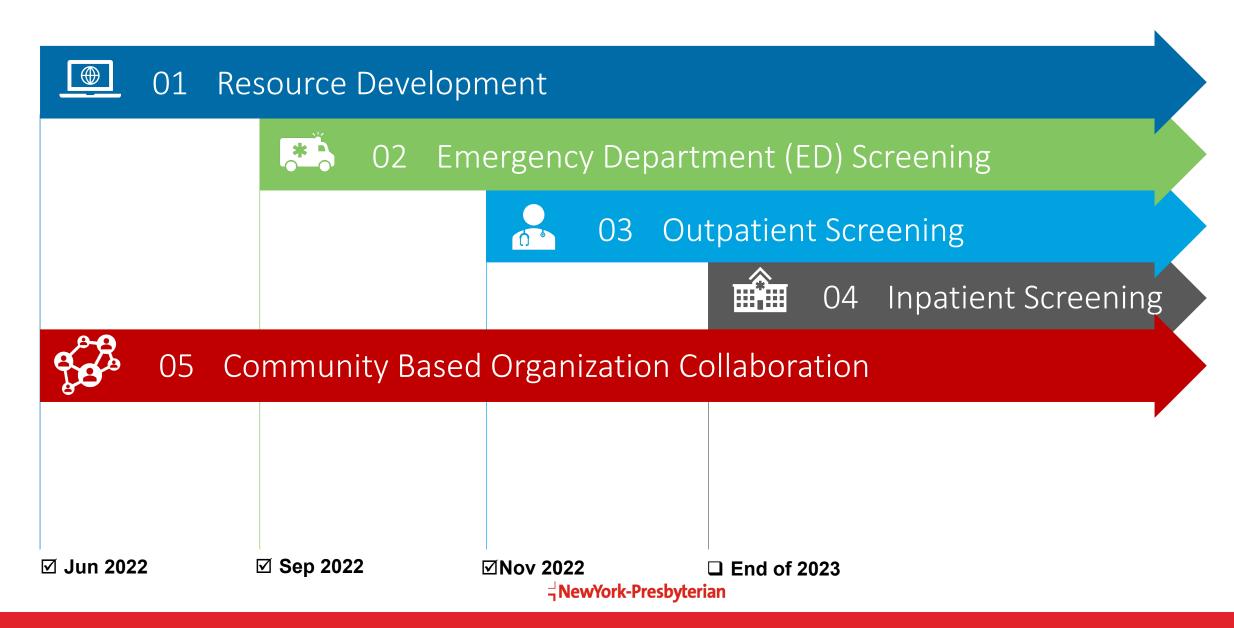




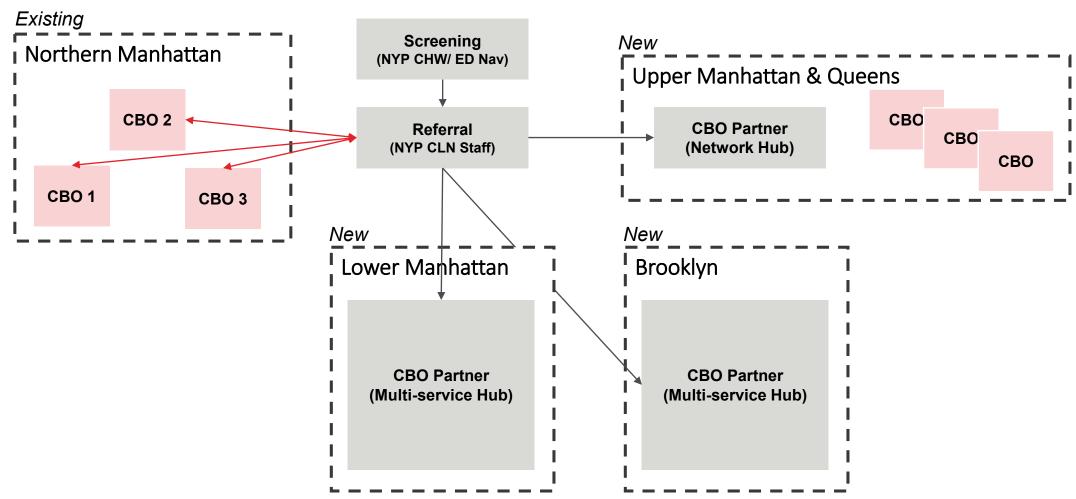
2023 Enterprise-Wide Goal:

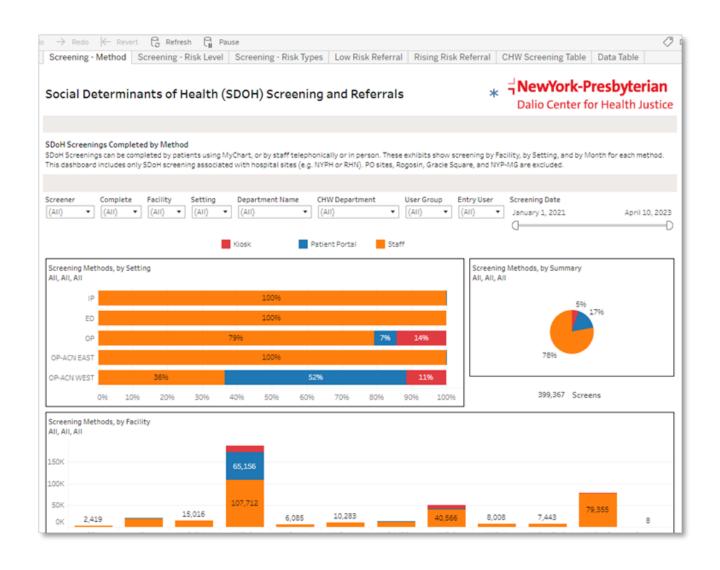
Implement a standardized process for Screening of Social Drivers of Health (SDoH) upon admission and process to track positive screens

Social Determinants of Health Screening Overview



Network Development: Hub and Spoke Model





Measuring & Monitoring

Systems & Workflows:

Providing Services:

External Factors:

Systems & Workflows:

IT & EMR Workflow

Interoperability for CBOs

Coding & Data Capture

Providing Services:

External Factors:

Systems & Workflows:

IT & EMR Workflow

Interoperability for CBOs

Coding & Data Capture

Providing Services:

Policy Gaps

Sustainability

Resource Directory

External Factors:

Systems & Workflows:

IT & EMR Workflow

Interoperability for CBOs

Coding & Data Capture

Providing Services:

Policy Gaps

Sustainability

Resource Directory

External Factors:

Alignment with 1115 Waiver

Regulatory Compliance Health system collaboration

Thank you





Upcoming series

DEI best practices

This four-part series explores how to implement best practices in diversity, equity and inclusion using a quality improvement framework. Participants will learn practical steps to help hospitals and health systems evaluate, set measurable goals and track improvement. Attendees will learn strategies for integrating DEI into the organization's culture, fostering accountability and measuring impact.

Sessions will be held on the following dates from noon to 1 p.m.:

- Wednesday, May 24
- Wednesday, May 31
- Wednesday, June 7
- Wednesday, June 14

Register for the series <u>here</u>.

4/24/2023



Questions?

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