

Social Determinants of Health: Data Strategy and Population Health

Gabriela Gonzalez, Program Manager - CHCANYS
November 20th, 2019

This is a NYS Health Center Controlled Network (NYS-HCCN) Activity
A HRSA-Funded Project of the Community Health Care Association of New York State



Housekeeping

- Phones have been muted to prevent background noise
- Use the chat box to type questions during the webinar
- This webinar is being recorded and will soon be available for download
- A webinar evaluation survey will be shared with participants



HCCN Grant Number: H2QCS30278



NYS-HCCN SDH Assistance

- Office hours will be available on:
 - Tuesday, Nov. 26th: 1 – 2 pm, click [here](#) to register.
 - Monday, Dec. 2nd: 10 – 11 am, click [here](#) to register
- Upcoming Learning collaborative & Individual T/TA sessions in 2020
 - Complete the webinar evaluation survey if you are interested
- For questions please contact ggonzalez@chcanys.org



Center for Primary Care Informatics (CPCI) DRVS Azara Presentation





Making Your Data Work for You

Social Determinants of Health: Leveraging CPCI Tools to Drive Patient Care

November 20, 2019



Emily Holzman
Senior Client Success Specialist

Annual User Conference

MARCH 30 - APRIL 1, 2020  BOSTON, MA

Call for Abstracts – Deadline October 31

Registration Opens – November 4

Hotel Registration – Open Now

azara
healthcare

azarahealthcare.com/annual-conference-2020

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Contact Information



Emily Holzman
Senior Client Success Specialist

1 Social Determinants of Health - Context

2 Collecting and Storing SDOH Data

3 Reporting and Analyzing SDOH Data

4 What's Next?

”

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

ACCESS TO
HEALTH CARE

SOCIAL SUPPORT
NETWORKS

EDUCATION

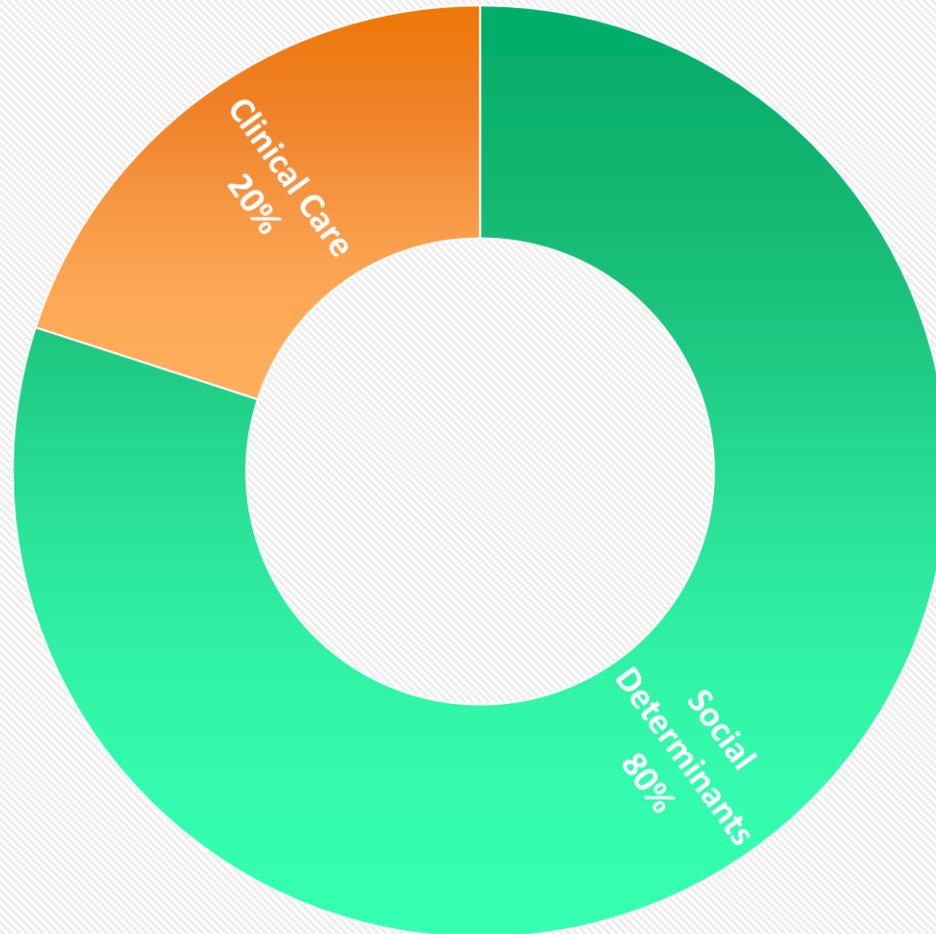
PHYSICAL
ENVIRONMENT

EMPLOYMENT

SOCIOECONOMIC
STATUS

Kaiser Family Foundation: <http://www.kff.org/disparities-policy/issue-brief/beyond-health-care-the-role-of-social-determinants-in-promoting-health-and-health-equity/>

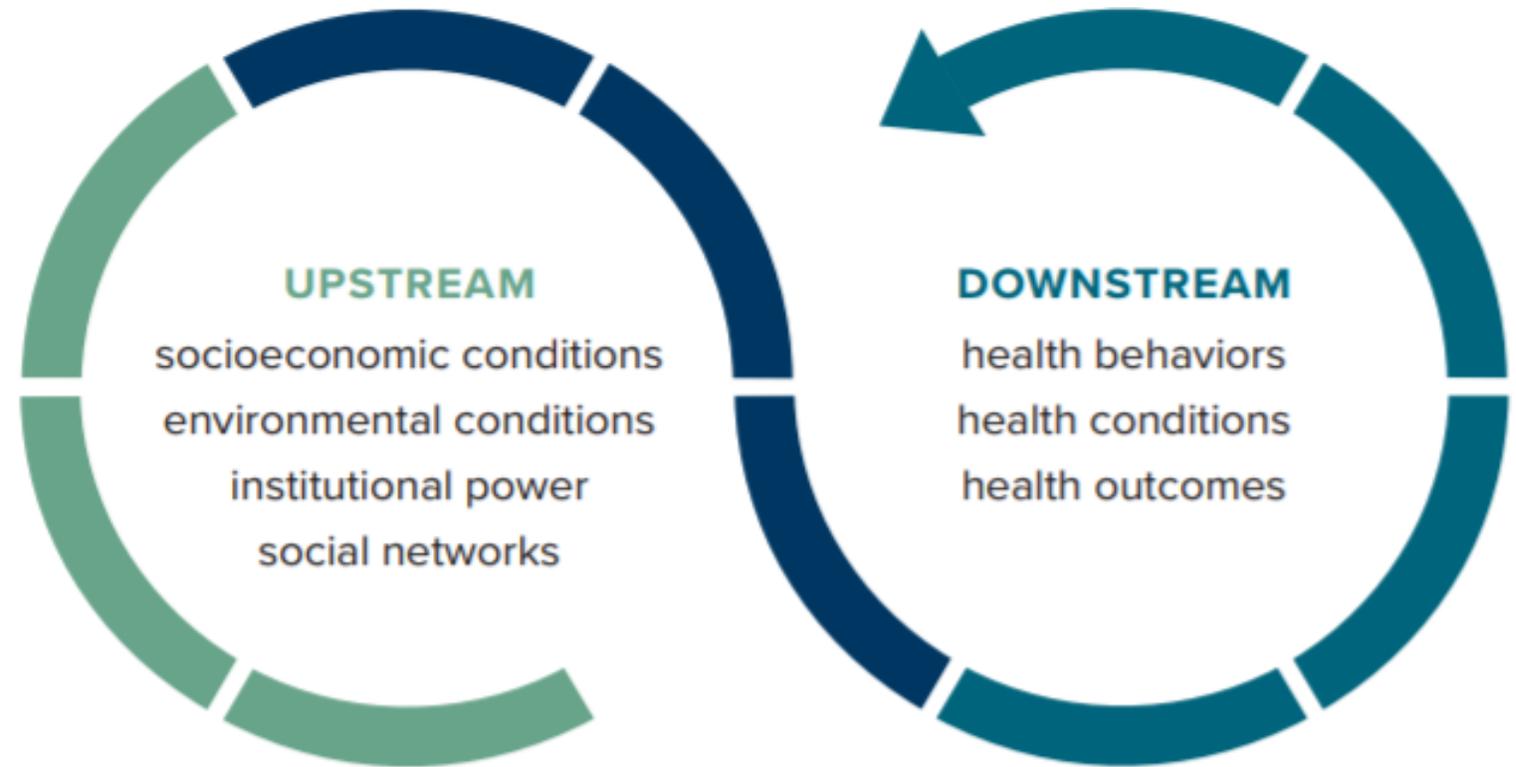
Ability to Impact – Beyond Clinical Care



- Social Determinants
- Clinical Care

We must provide much more than clinical care to make a difference in our patients' health.

To be successful in a
Value Based Care
environment we need to
do things differently.

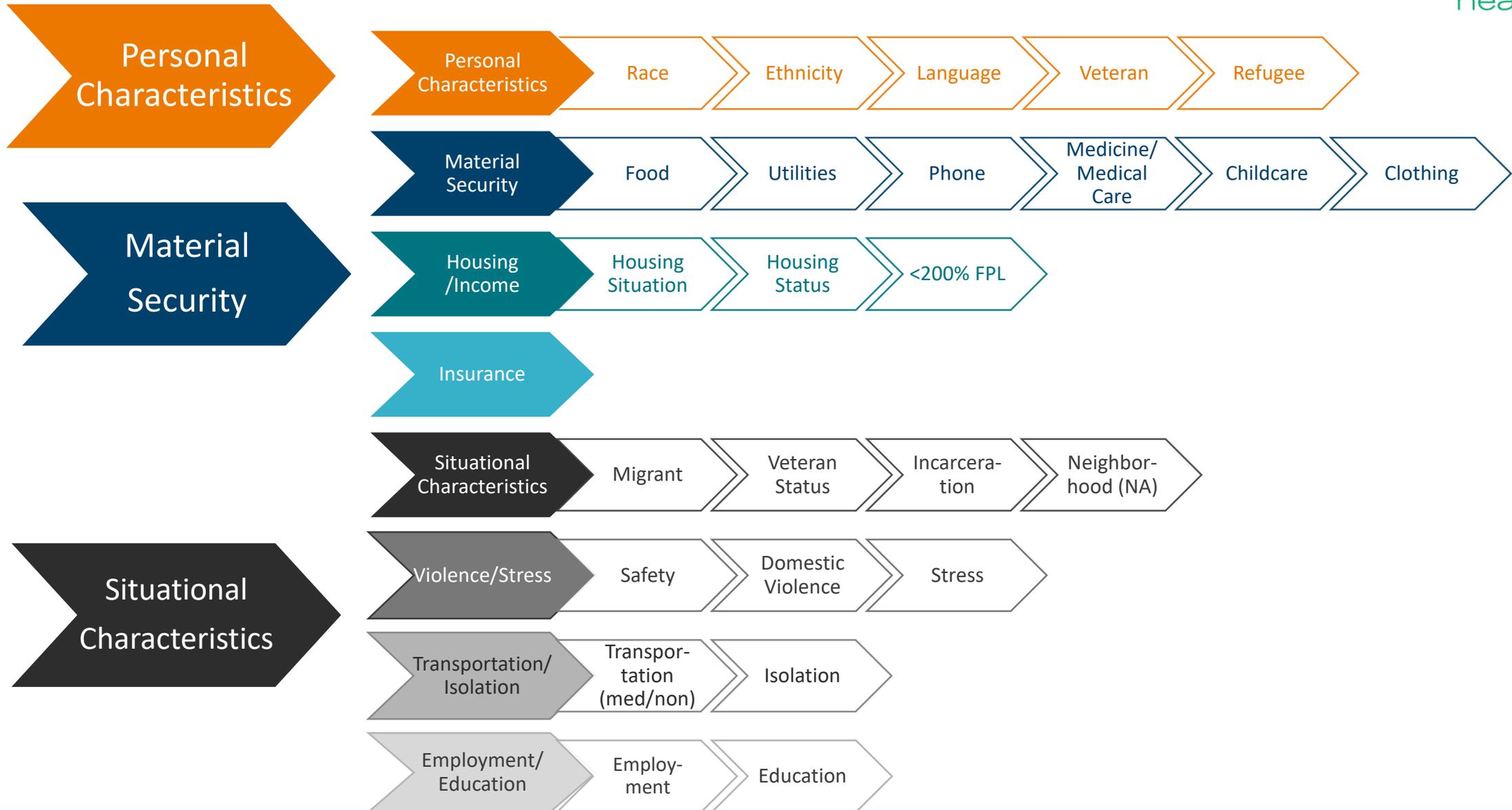


Changing Expectations

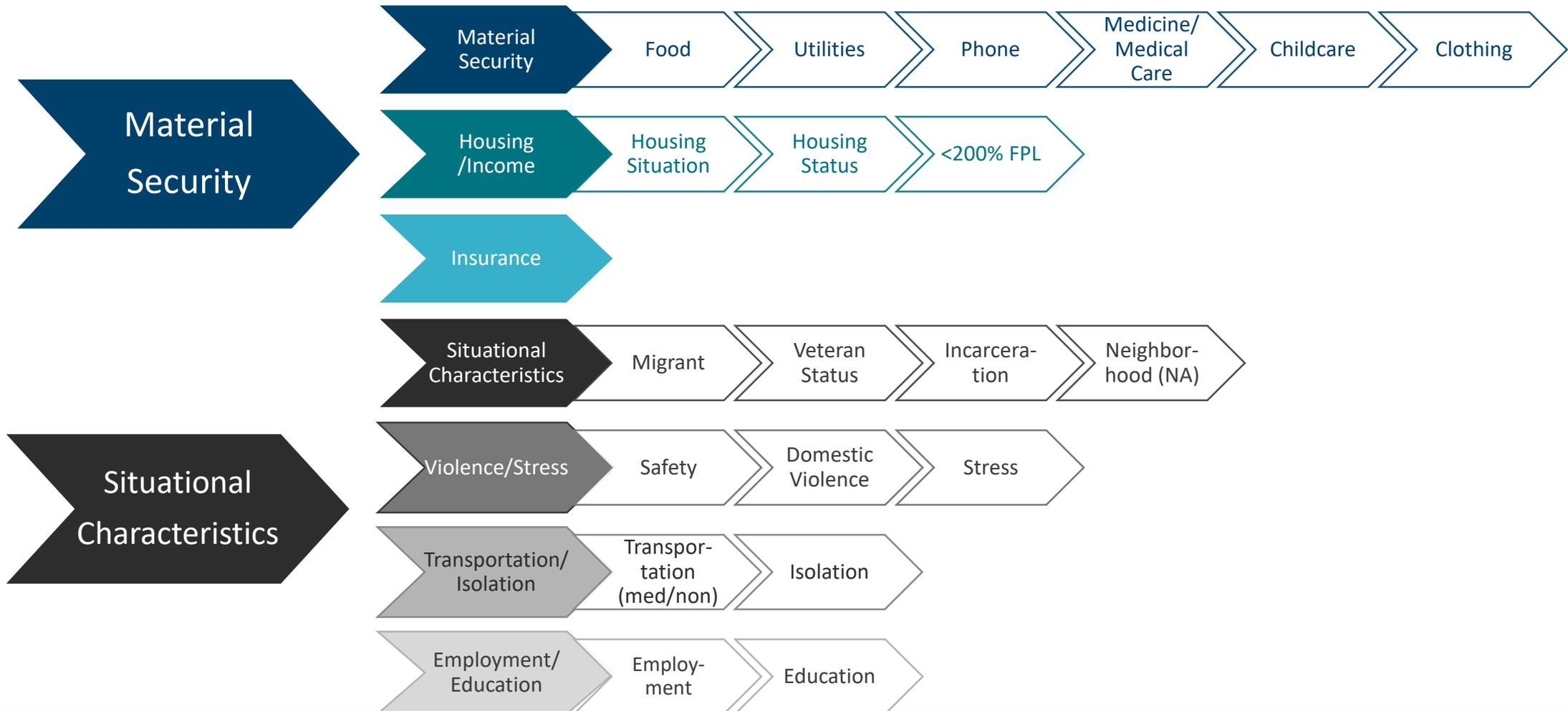
- Define and document the increased complexity of patients.
- Better target clinical care, integrated/enabling services and community partnerships to drive care transformation.
- Advocate for change in the community and national level.
- Enable centers to demonstrate the value they bring to patients, communities, and payers.



PRAPARE Elements



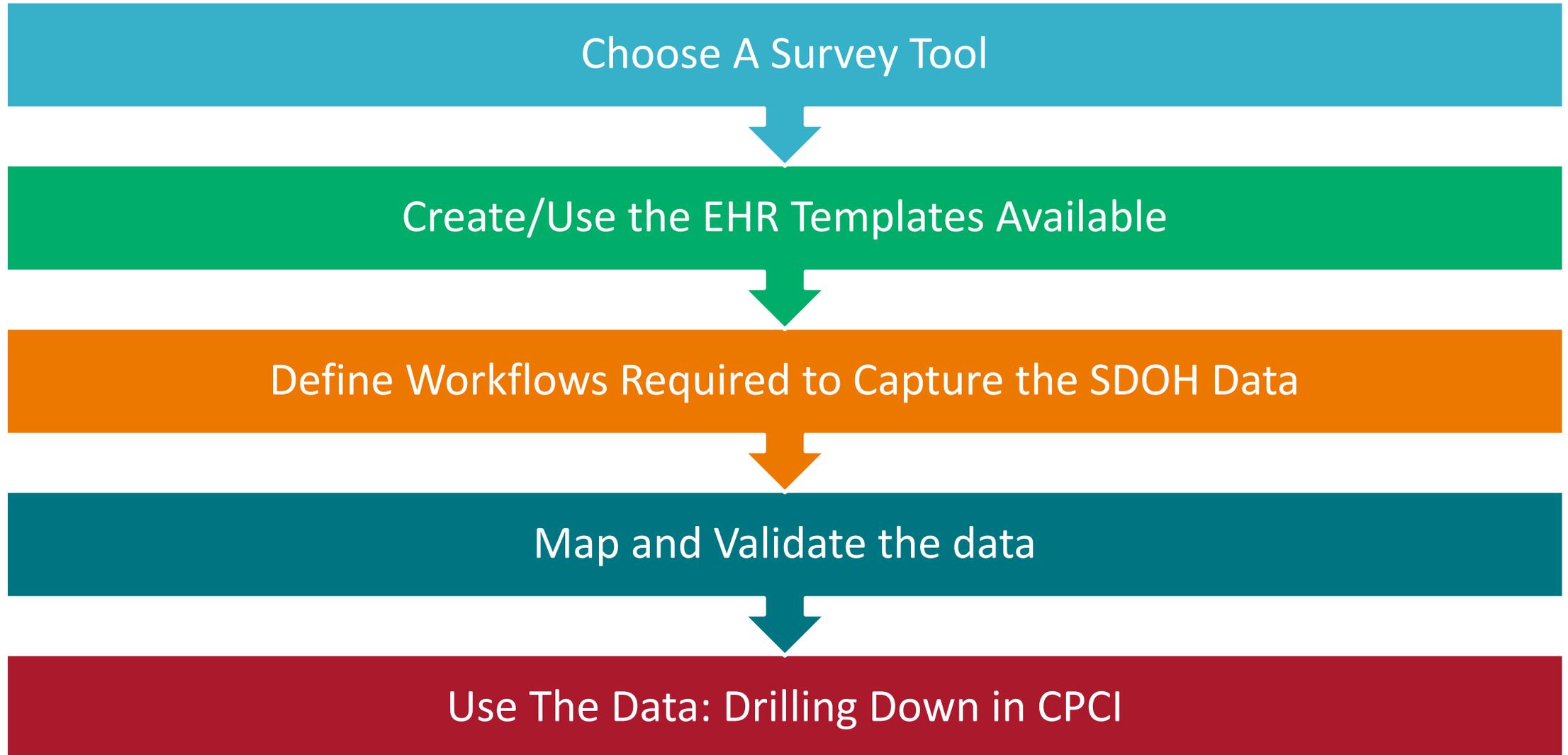
Impactable Elements



Collecting and Storing SDOH Data in CPCI



SDOH Start to Finish



CPCI SDOH Tool Crosswalk



Source Questionnaires							Updated May 2019			
Source questions are based on EPIC and PRAPARE										
PRAPARE	Healthify	Allscripts - MyCare	THRIVE	AHCM (CCMCN)	AHC (in EPIC)	EPIC OCHIN	Ref #	Source Question	Source Response	Positive Response
X		X		X		X	1	How hard is it for you to pay for the very basics like food? PRAPARE 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? FOOD	Yes No	Yes
X		X	X	X		X	1	How hard is it for you to pay for the very basics like Utilities? PRAPARE 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? Utilities THRIVE -Do you have trouble paying your heating or electricity bill?	Yes No Declined	Yes
X						X	1	How hard is it for you to pay for the very basics like Transportation?	Yes No	Yes

Validating SDOH Data in CPCI

- Involve clinical staff in validation effort.
- Make sure you have sufficient data.
 - Document survey information on several test patients
 - 30+ patients with data collected (or equivalent)
 - Pilot or test data
- Leverage the list of patients that have had SDOH documented.
- Confirm positive SDOH factors are correctly reflected in the SDOH Registry.
 - Columns contain the appropriate response.
 - SDOH tally is accurate based on the patient's total number of triggers.
- Track the patients who have completed the forms for easy validation.



- Confirm SDOH factors associated with UDS data are correctly applied to the patient's SDOH tally.
 - Homelessness Status, Federal Poverty Level, Insurance, etc.
- Track and validate the SDOH data as use of the workflow grows.
 - Will allow you to ensure proper documentation of the questionnaire and maintain data hygiene.

Reporting and Analyzing SDOH Data in CPCI



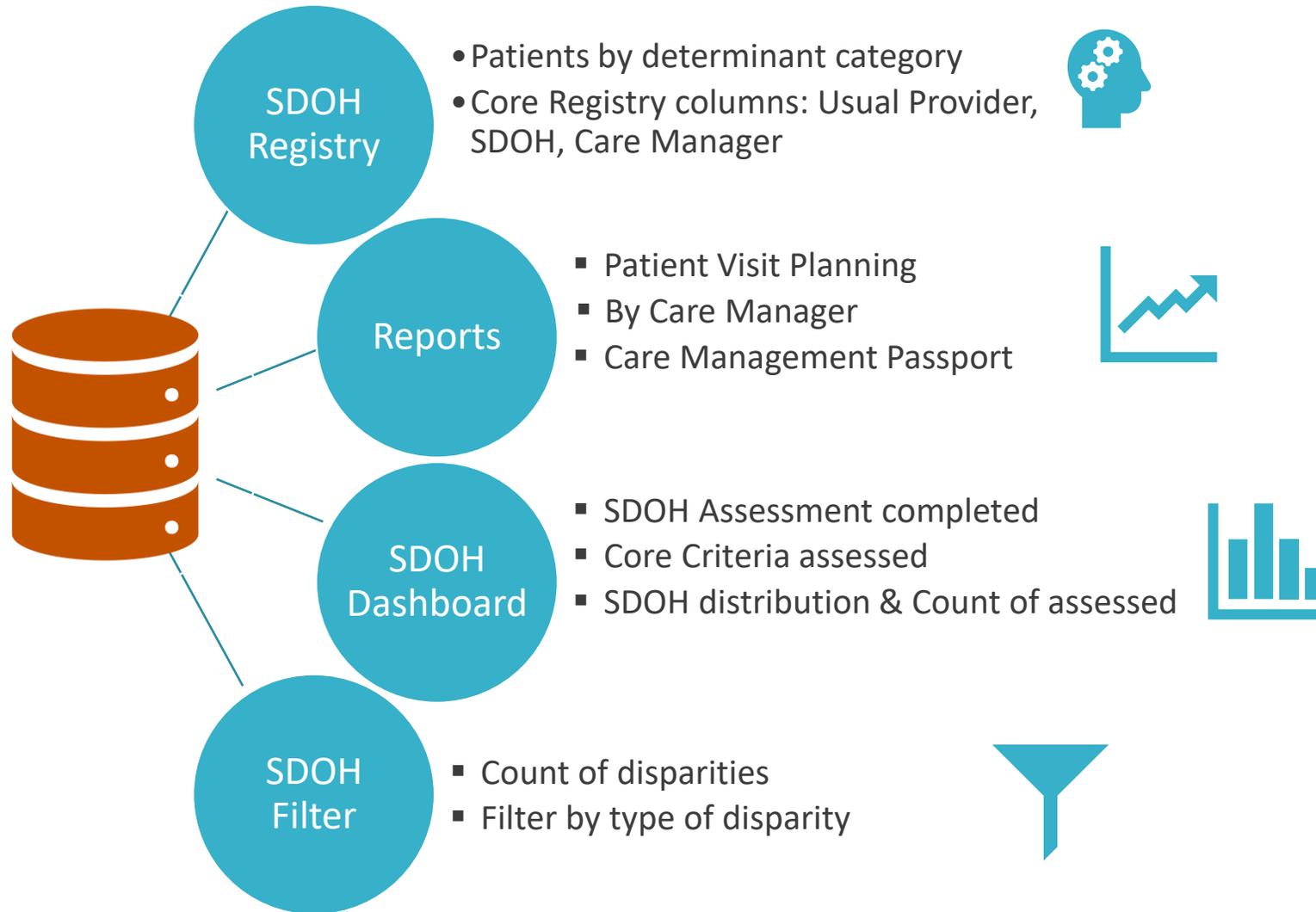
Poll Question

What tools have you used to view SDOH data in CPCI? Please select all that apply

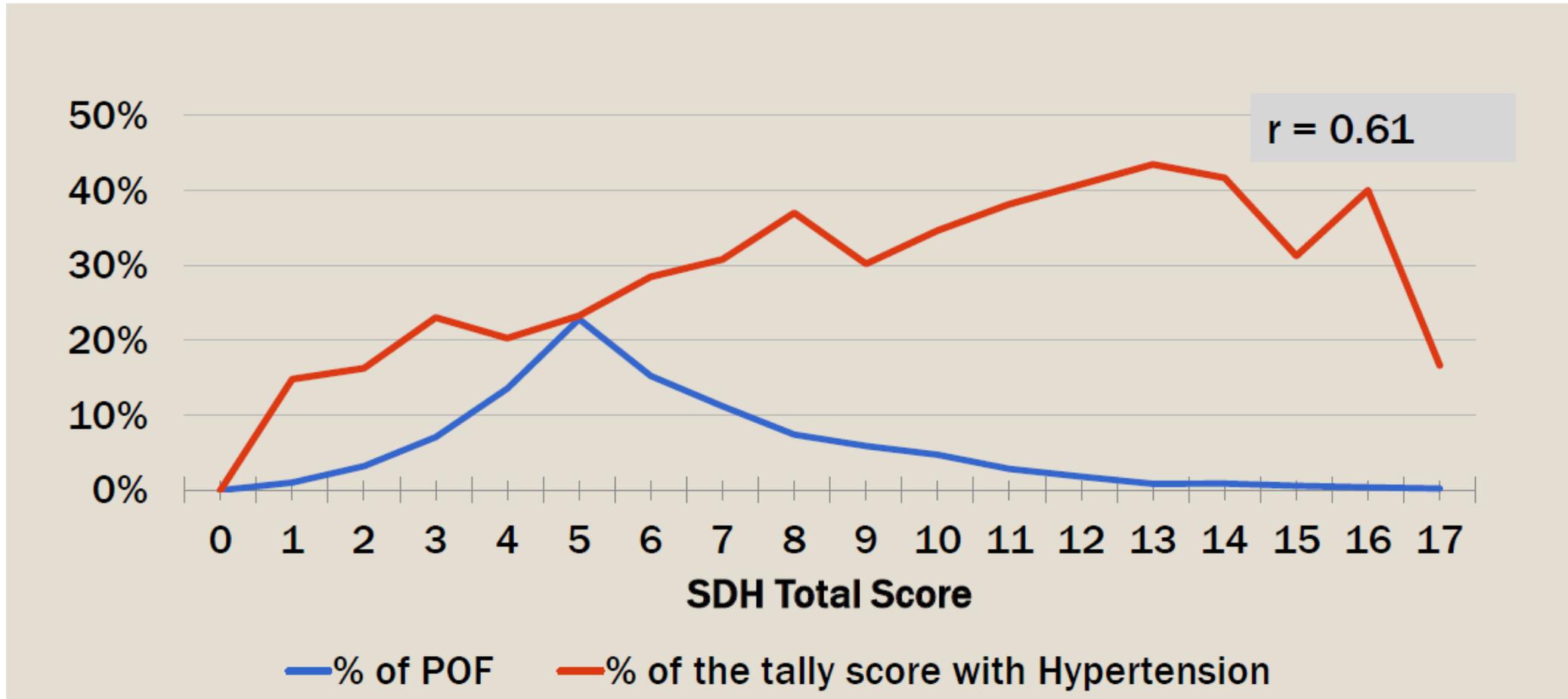
1. Dashboards
2. Scorecards
3. Registries
4. Patient Visit Planning Report and Care Management Passport
5. All the above
6. None of the above – I have SDOH data mapped, but have not viewed or used it in CPCI yet
7. I do not have SDOH data in CPCI yet for my center



SDOH Information In CPCI



Positive Correlation Between the Number of Social Determinants and Hypertension



POF = Population of Focus

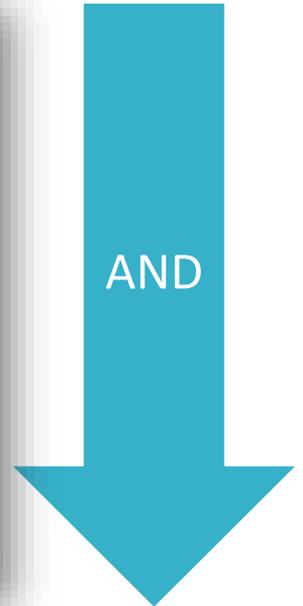
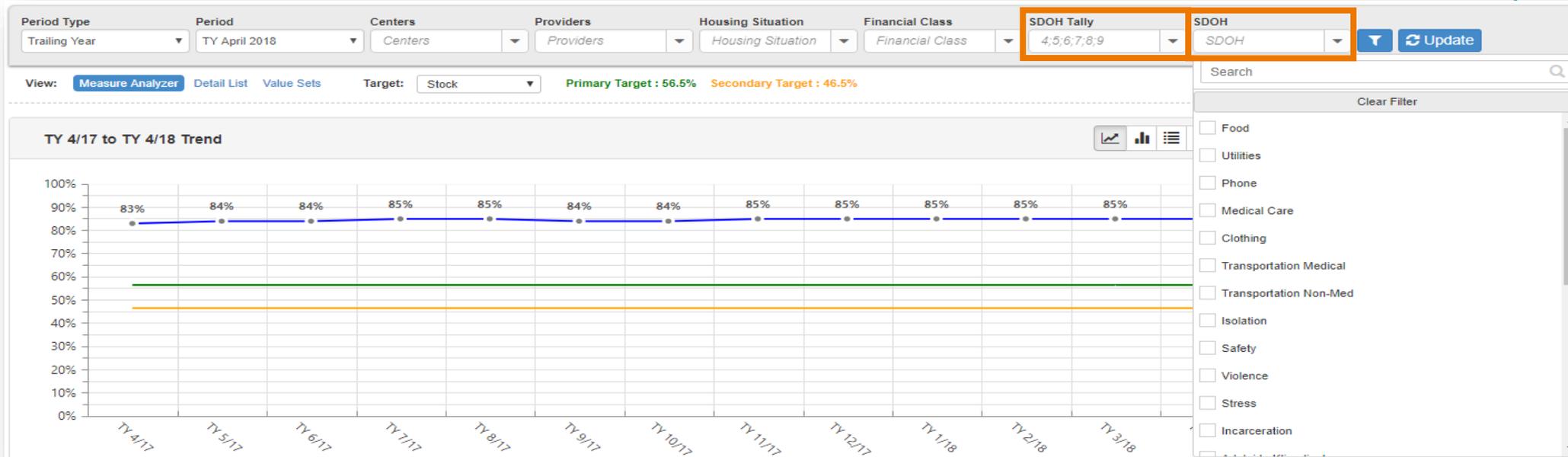
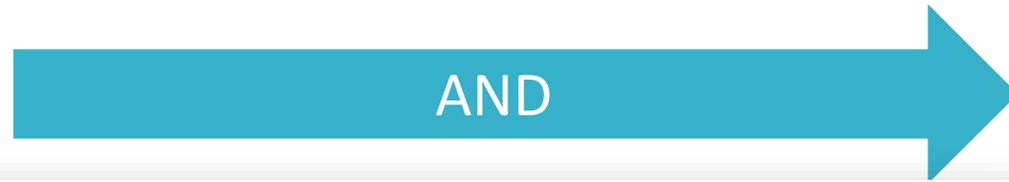
With permission from AAPCHO, May 2019

Social Determinants of Health (SDOH) in CPCI

- SDOH Filter
 - A list of available SDOH triggers.
 - Filter works as an "AND" statement. For example, if two triggers are chosen, the patient must have *both* triggers.
- SDOH Tally Filter
 - A numerical filter displaying the count of active SDOH triggers for patients.
 - Both available on all the PVP, CMP and all measures and reports via the "Additional Filters" icon.
 - Reflect SDOH triggers active *during* the selected measurement period for the given report/measure.



SDOH Filter Functionality



- Ability to filter by SDOH criteria and SDOH Count
- Patient must meet all filter criteria across page-level filters
 - Period **AND** Housing Situation **AND** Financial Class, etc.
- Patient must meet all filter criteria within the SDOH filter
 - Food **AND** Utilities **AND** Phone, etc.
- Patient must meet one of the filter selections within the SDOH Tally filter
 - SDOH Tally of 4 **OR** 5 **OR** 6, etc.

Accessing the SDOH Filters

▼ Update

Filters

<input checked="" type="checkbox"/> Centers	<input type="checkbox"/> Gender Identity
<input checked="" type="checkbox"/> Providers	<input checked="" type="checkbox"/> SDOH
<input type="checkbox"/> Locations	<input checked="" type="checkbox"/> SDOH Count
<input type="checkbox"/> Patient Diagnoses	<input type="checkbox"/> Sexual Orientation
<input type="checkbox"/> Enrollees	<input type="checkbox"/> Sex at Birth
<input type="checkbox"/> Patient Groups	<input type="checkbox"/> Cohort
<input type="checkbox"/> Rendering Provider Type	<input type="checkbox"/> 4Cut Provider
<input type="checkbox"/> Migrant Worker Status	<input type="checkbox"/> Care Manager
<input type="checkbox"/> Housing Situation	<input type="checkbox"/> Service Lines
<input type="checkbox"/> Race	<input type="checkbox"/> Financial Class
<input type="checkbox"/> Ethnicity	<input type="checkbox"/> Payer Groups
<input type="checkbox"/> Language	<input type="checkbox"/> Plans
<input type="checkbox"/> Patient Risk	

OK Cancel

SDOH Filters

SDOH

SDOH ▼

Search

Clear Filter

- HOMELESS
- HOUSING
- FPL<200%
- FOOD
- UTILITY
- PHONE
- INSURANCE
- MATERIAL SECURITY
- MED/CARE

SDOH Count

All ▼   Update

Search

Clear Filter

- All
- All
- 0
- 1
- 2
- 3
- 4
- 5
- 6

A1c >9 or Untested = 32%

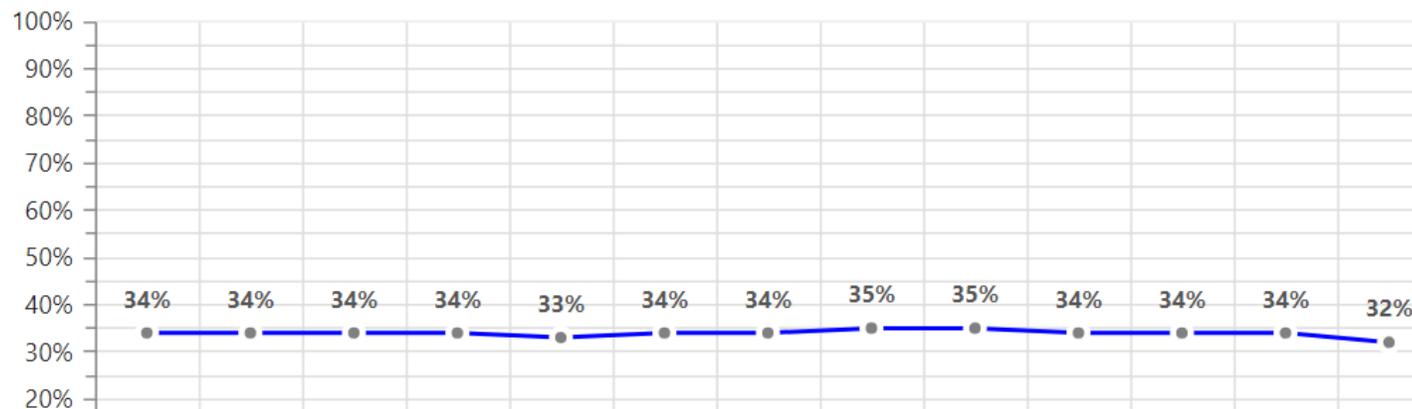
Diabetes A1c > 9 or Untested (NQF 0059) ⓘ



Period Type: | Period: | Centers: | Providers: | SDOH: | Service Lines: | Financial Class:

View: [Measure Analyzer](#) [Detail List](#) [Value Sets](#) | Target: | Primary Target : 29.0% | Secondary Target : 39.0% | [← Back to dashboard](#)

TY 7/17 to TY 7/18 Trend



TY 7/18 Result

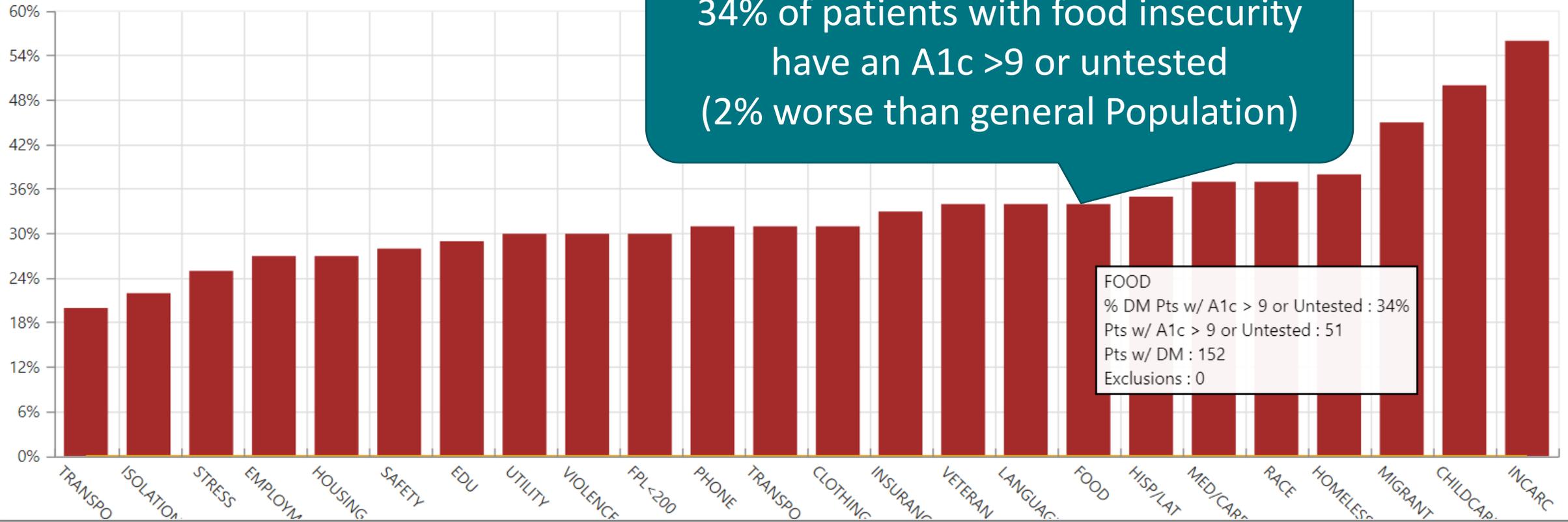
- Selected : 32% ⓘ
- Best Center : 19% ⓘ
- Network Average : 32% ⓘ
- Center Average ⓘ

Diabetes >9 or Untested by SDOH Risk

Comparison

Grouping SDOH

Secondary Grouping None

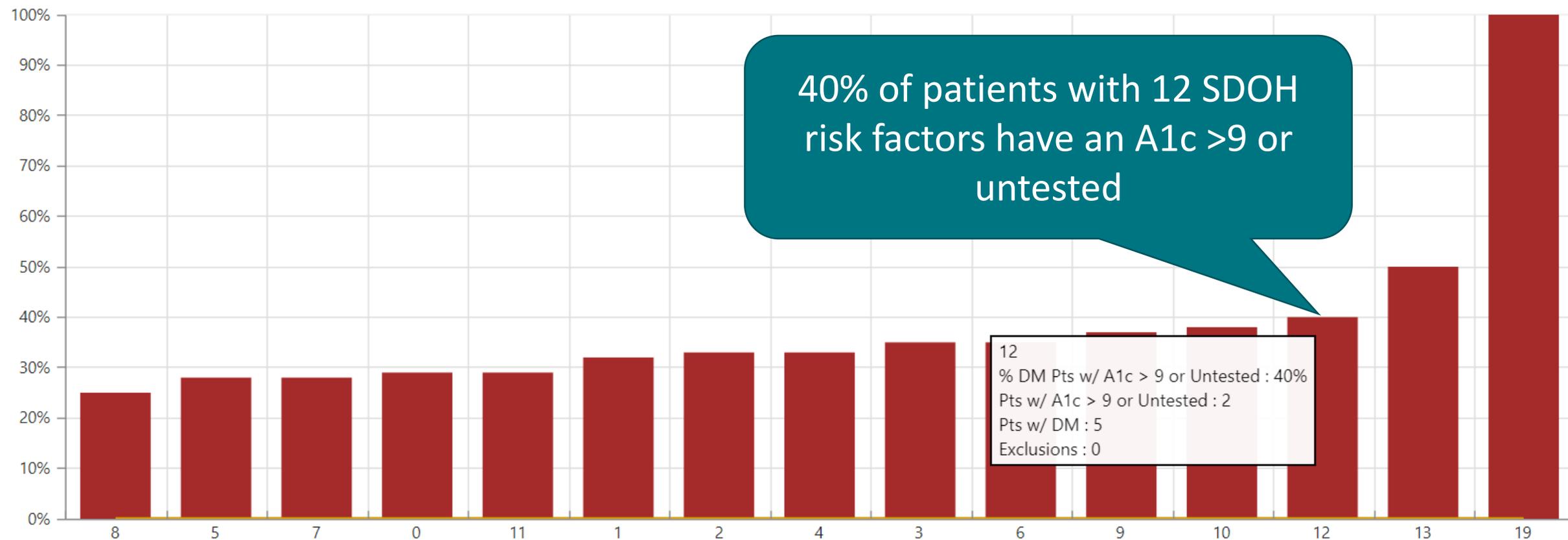


DM >9 or Untested by # SDOH Risks

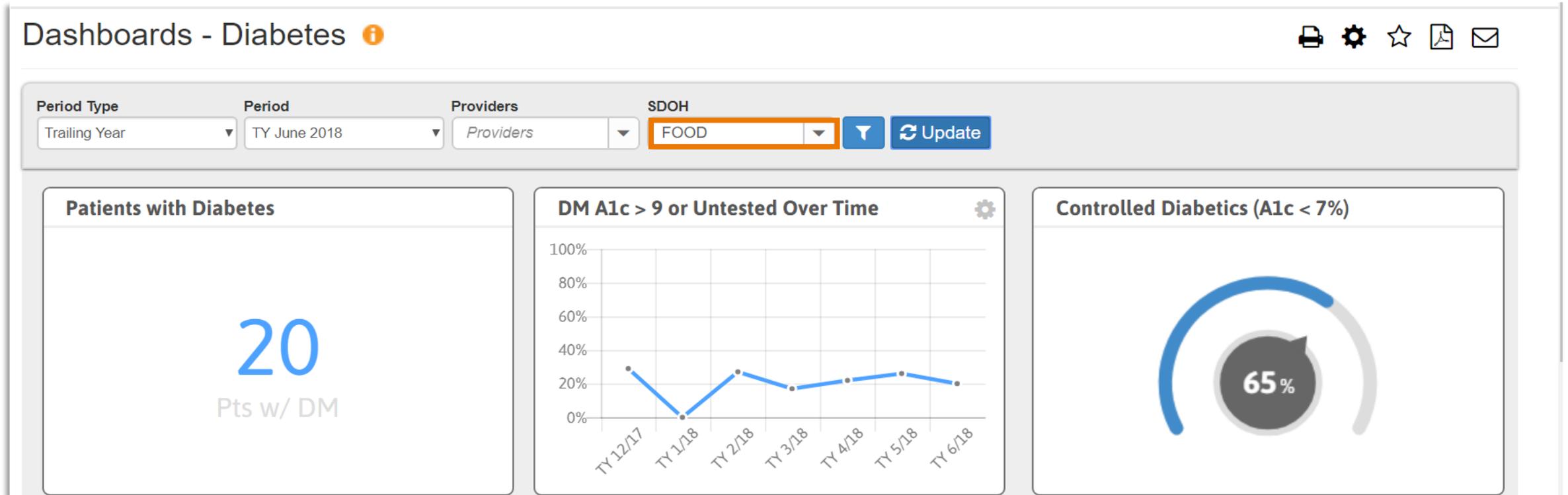
Comparison

Grouping SDOH Count

Secondary Grouping None



DM Dashboard with SDOH Filter



Pre-Visit Planning (PVP)

- SDOH section on the PVP.
- (10) Indicates number of SDOH risks.
- Configurable alert – default is assessment in 1 yr
- Required UDS SDOH items will show if entered in registration/demographics.
- SDOH must be turned on in Admin.

Alert is configurable!

10:00 AM | Saturday, February 2, 2019 Visit Reason: Injury

Stutt, Rubye Sex at Birth: F Phone: 508-138-1713 Last Well Visit: 2/12/2018 PCP: Fritz, Renata
MRN: 6885531 Gender Identity: Transgender Male/ Fe... Language: English Portal Access: 02/17/2017 Payer: BCBS
 DOB: 7/13/1995 (23) Sexual Orientation: Straight (not lesbian... Risk: **Moderate** Cohorts: 2018 DM untested, A1c > 9, O... Care Manager: ...awasky

Diagnoses (8)			Alert	Message	Most Recent Date	Most Recent Result
CAD	DM	IVD	Gonorrhea	Missing		
CAD/No MI	HIV	SCZ	Hep C	Missing		
Depression	HTN-NE		Hep C HiRisk	Missing		
			LDL	Overdue	2/17/2017	Y
			Viral Load Suppression	Missing		
			AUDIT	Missing		
			Pneumo High Risk	Missing		
			SDOH Needs Assessed	Missing		
			H1N1 - Seasonal	Overdue	2/12/2018	
			HPV	Missing	2/12/2018	
			Tetanus	Missing		
			Foot	Overdue	2/17/2017	N
			Statin Rx	Overdue		
Risk Factors (5)			Open Referral w/o Result	Specialist/Location	Ordered Date	Appt. Date
ANTICOAG	Pre-DM	TOB	Allergist	Samantha Frost / Burlington	2/12/2018	2/17/2018
HDU	SMI		Immunology	Jim Cohen / Brighton	2/12/2018	2/17/2018
				Jim Cohen / Burlington	2/12/2018	2/16/2018

SDOH (10)		
HOUSING	TRANSPORT-	RACE
MATERIAL	NONMED	HISP/LAT
SECURITY	VIOLENCE	MIGRANT
CLOTHING	STRESS	

SDOH (10)		
HOUSING	TRANSPORT-	RACE
MATERIAL	NONMED	HISP/LAT
SECURITY	VIOLENCE	MIGRANT
CLOTHING	STRESS	

Care Management Passport

Care Management Passport ⓘ

Reichmann, Neil MRN: 2262171 DOB: 3/18/1900 (58 years)	Sex at Birth: M Gender Identity: Choose not to disclose Sexual Orientation: Something else	Phone: 617-765-2559 Language: English Risk: High	Last Phys: 1/2/2018 Portal Access: 01/02/2018	PCP: Cote, David Payer: Aetna Care Manager: Narcisca Perrette
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Assessments, Last 10 of 18

Code	Description	Last Assessed	# Assessed TY
296.24	Major depressive affective disorder, single episode, severe, specified as with psychotic behavior	4/18/18	1
152.0	MALIGNANT NEOPLASM OF DUODENUM	4/18/18	1
303.02	ACUTE ALCOHOLIC INTOXICATION IN ALCOHOLISM, EPISODIC	4/18/18	3
153.2	Malignant neoplasm of descending colon	4/18/18	1
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	4/18/18	2
307.80	PSYCHOGENIC PAIN, SITE UNSPECIFIED	4/18/18	1
G89.12	ACUTE POST-THORACOTOMY PAIN	4/18/18	2
A15.0	TUBERCULOSIS OF LUNG	4/18/18	3
424148004	Substance use cessation surveillance (regime/thera	4/18/18	1
K02.53	DENTAL CARIES ON PIT AND FISSURE SURFACE PENETRATING INTO PULP	4/18/18	1

Problems, Last 10 of 22

Code	Description	Most Recent
308110009	Direct funduscopy following mydriatic (procedure)	4/18/18
424148004	Substance use cessation surveillance (regime/thera	4/18/18
G47.411	NARCOLEPSY WITH CATAPLEXY	4/18/18
G89.12	ACUTE POST-THORACOTOMY PAIN	4/18/18
296.24	Major depressive affective disorder, single episode, severe, specified as with psychotic behavior	4/18/18
I21.3	ST ELEVATION (STEMI) MYOCARDIAL INFARCTION OF UNSPECIFIED SITE	4/18/18
401.9	Unspecified essential hypertension	4/18/18
I63.139	CEREBRAL INFARCTION DUE TO EMBOLISM OF UNSPECIFIED CAROTID ARTERY	4/18/18
V65.3	DIETARY SURVEILLANCE AND COUNSELING	4/18/18
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	4/18/18

Encounters, Last 5 of 7

Date	Provider	Type	Reason
1/2/18	Ryan, Frank	Medical	Needs Update
7/7/17	House, Gregory	Medical	Needs Update
6/8/17	House, Gregory	Medical	Needs Update
5/4/17	House, Gregory	Medical	Needs Update
3/2/17	Jones, James	Medical	Needs Update

Appointments, 1

Date	Provider	Type	Reason
4/28/18	Cote, David	Sick Visit	

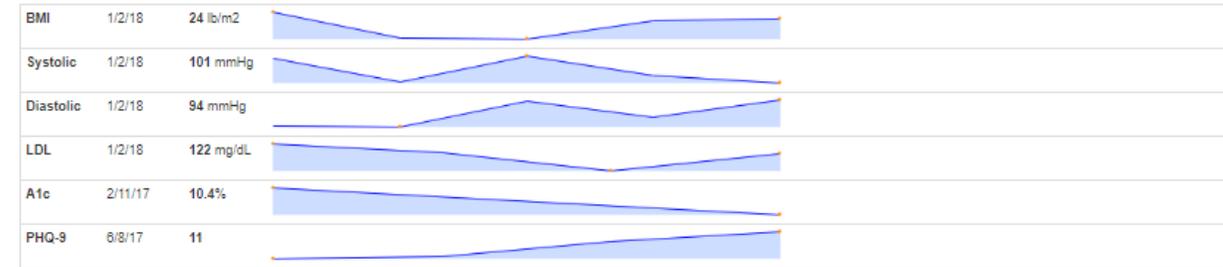
Social Determinants of Health, 10

HOMELESS	HOUSING	FPL<200%
UTILITY	CLOTHING	STRESS
EMPLOYMENT	EDU	RACE
MIGRANT		

Allergies, 0

Start	Description	Reaction	Severity
No active allergies			

The Numbers



Alerts, 5

Alert	Message	Most Recent Date	Most Recent Result
Pap Anal	Missing		
A1c	Overdue	2/11/17	10.4
Gonorrhea	Missing		
AUDIT	Missing		
Prenatal	Missing		

Open Referrals w/o Result, 4

SDOH Registry

Registries - Social Determinants of Health (SDOH) ⓘ



Start Date: 11/04/2019 | End Date: 11/11/2019 | Centers: Centers | Providers: Providers | Period Tense: Period Tense | Update

View: Registry Value Sets

Center Name	Name	Social Needs Assessment Date	Social Needs Assessment Completed By	Age	Gender Identity	SDOH Triggers	SDOH Tally	Housing Situation	Housing Status
		11/8/2019	04/03/2019	39	Female	FOOD INSURANCE STRESS RACE	4	I have housing	N
		11/8/2019	01/24/2019	34	Other	RACE	1	NULL	
		11/7/2019	11/08/2019	69	Male	INSURANCE EMPLOYMENT	2	I have housing	N
		11/7/2019	11/08/2019	45	Other	STRESS	1	I have housing	N
		11/7/2019	11/08/2019	60	Female	FPL<200%	1	I have housing	N

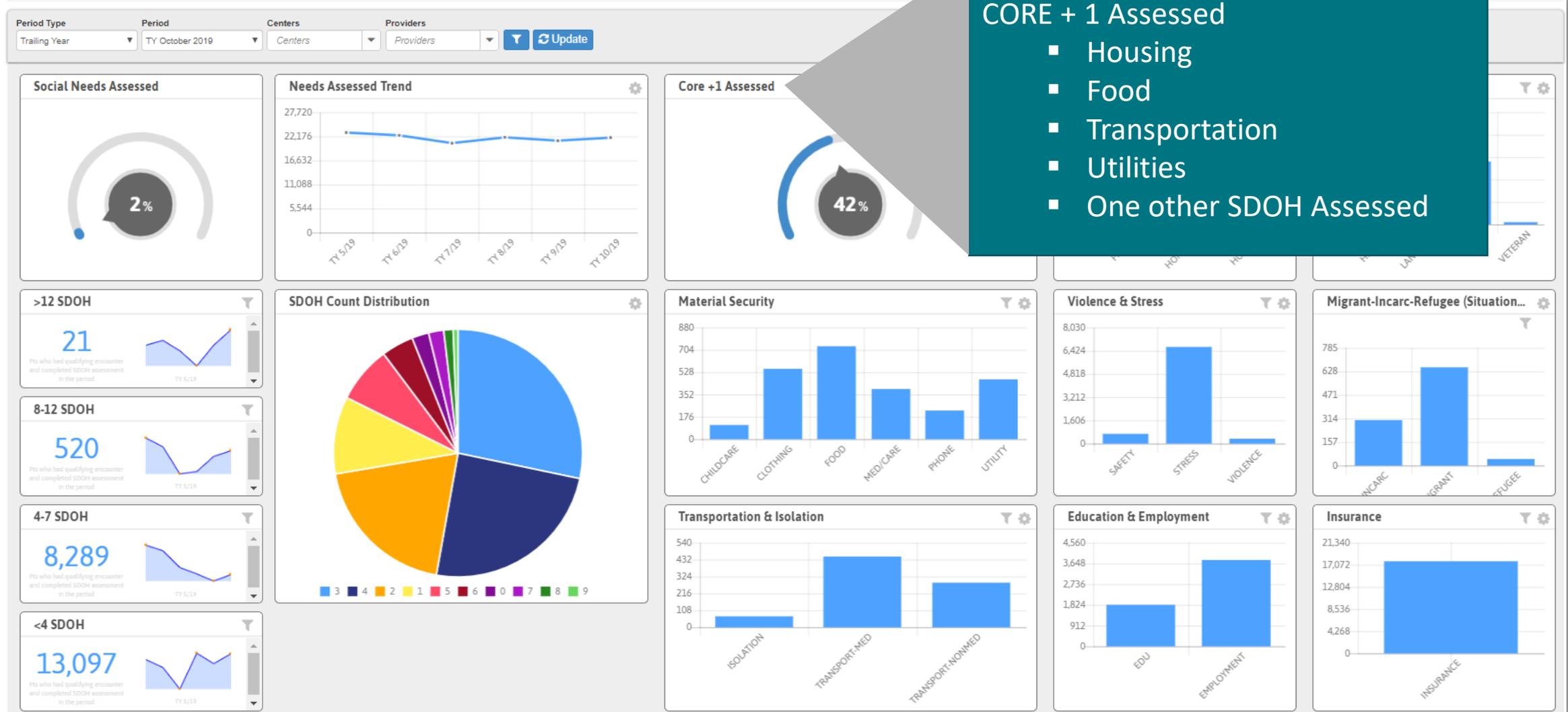
- Questionnaire Completed Date – Used by CHC to indicate an assessment of social needs has been done
- SDOH Tally
- SDOH Triggers - also on PVP & Care Management Passport, includes raw EHR responses

SDOH Triggers and Tally

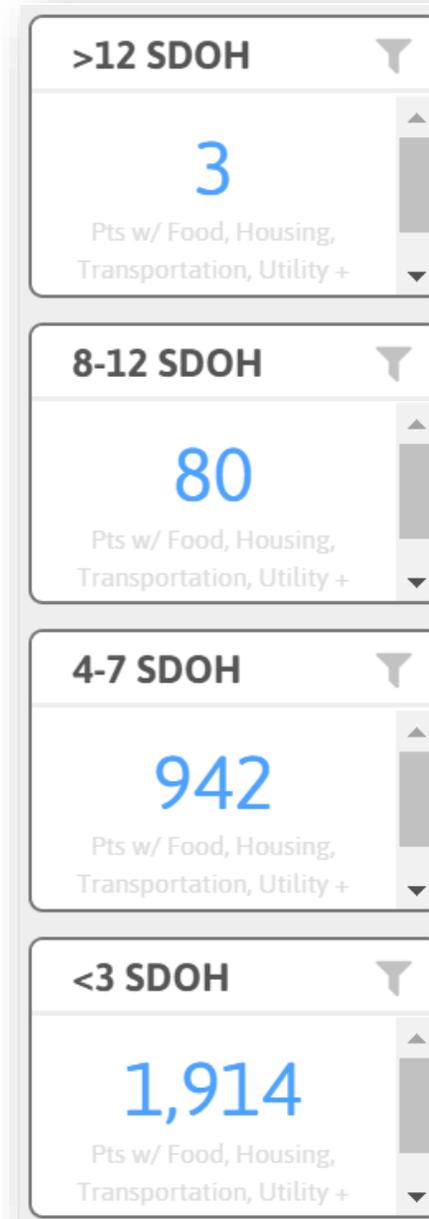
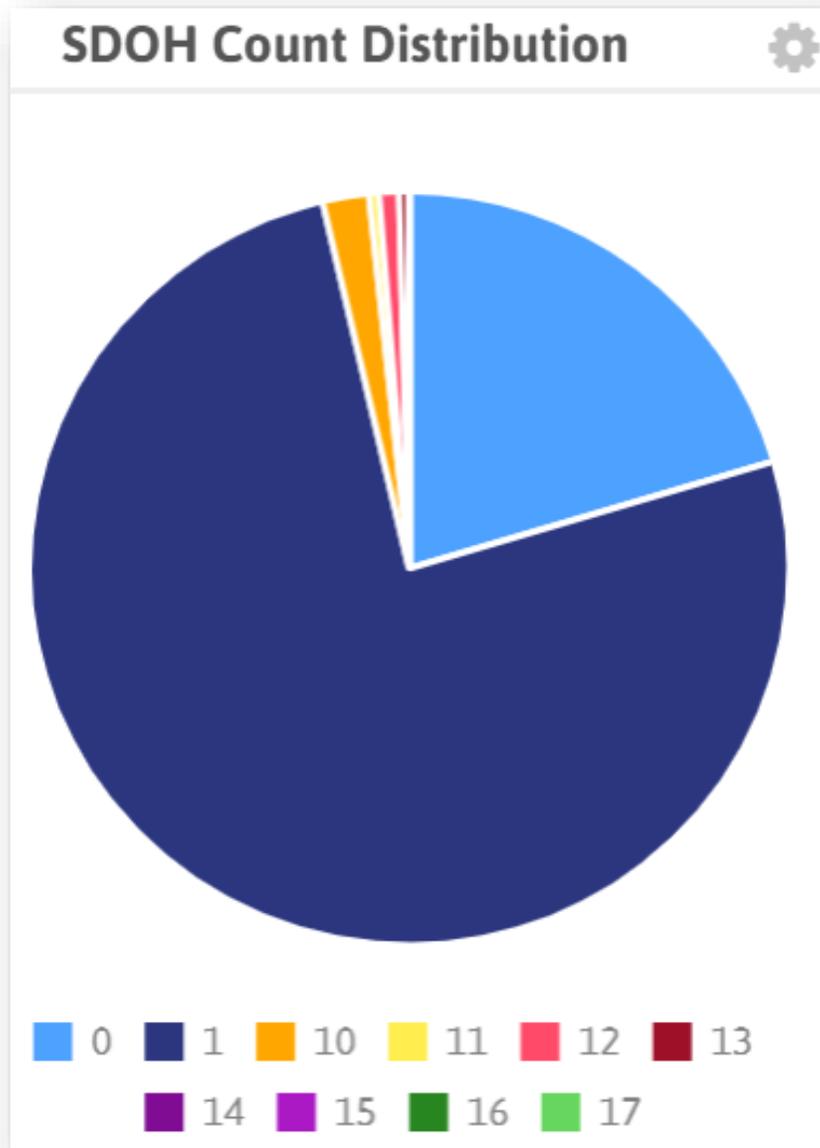
SDOH Tally ^ ▼	SDOH Triggers ▼
10	HOMELESS HOUSING FPL<200% PHONE MED/CARE ISOLATION SAFETY STRESS EMPLOYMENT EDU
9	FPL<200% FOOD UTILITY MED/CARE CLOTHING ISOLATION STRESS EMPLOYMENT EDU
8	HOUSING FPL<200% UTILITY PHONE STRESS EMPLOYMENT EDU INCARC
7	FPL<200% PHONE ISOLATION STRESS EMPLOYMENT EDU INCARC

CHCANYS Social Needs Assessed Dashboard

Dashboards - Social Needs Assessed !

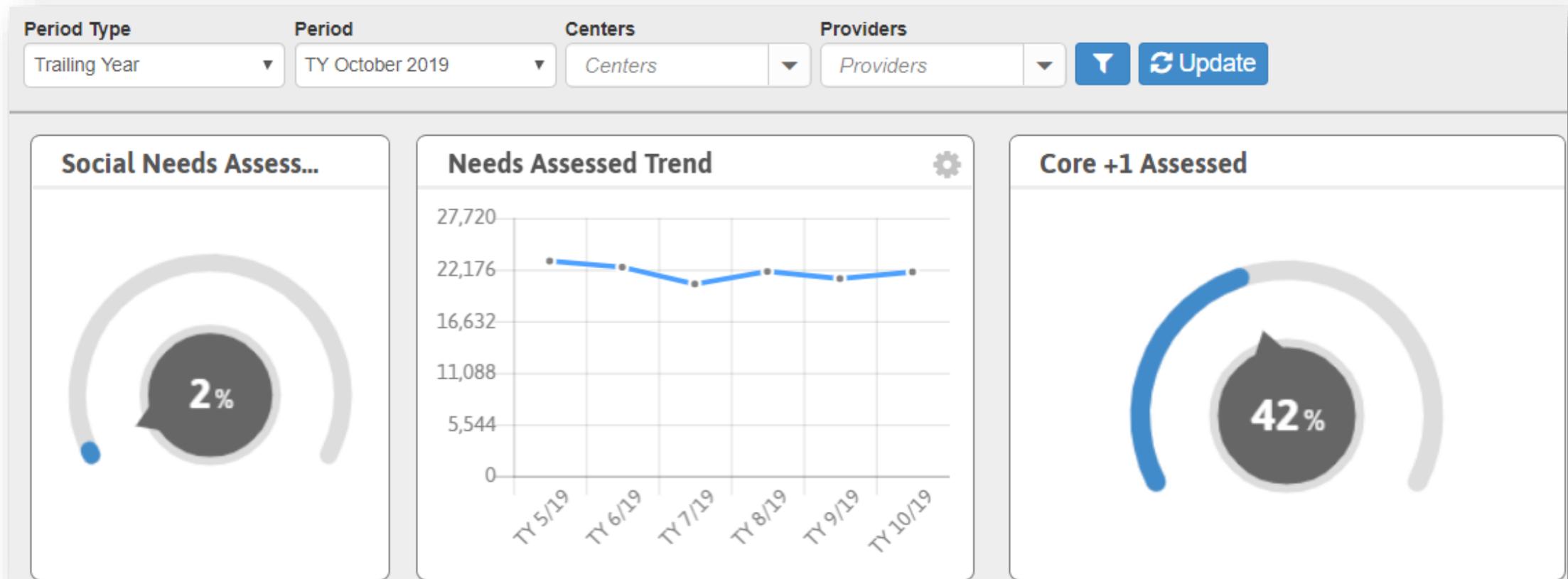


Social Needs Assessed | Distribution and Count

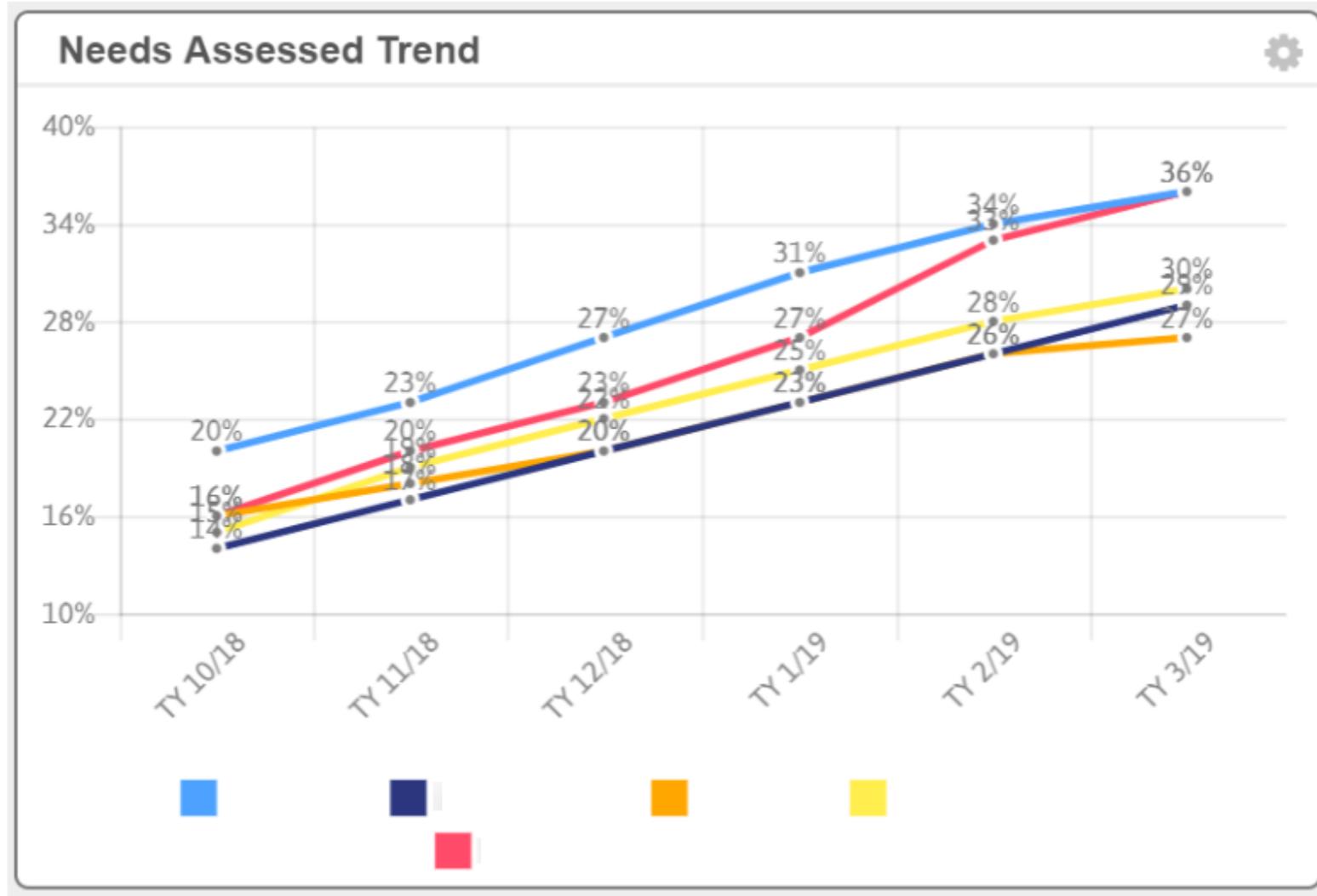


Social Needs Assessed | Screening – Trend and Core Criteria

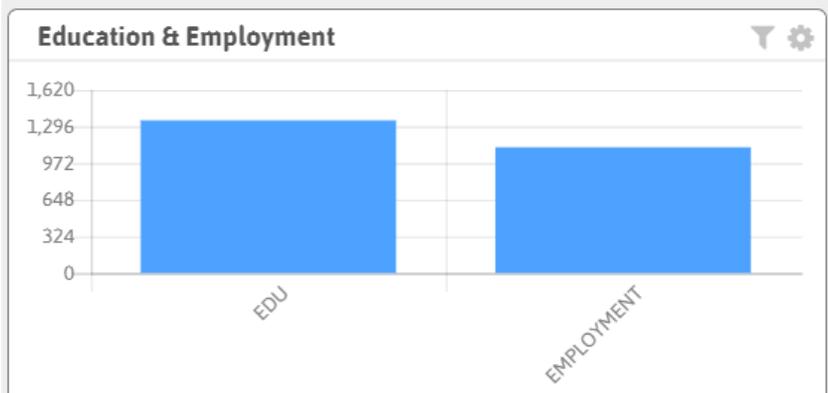
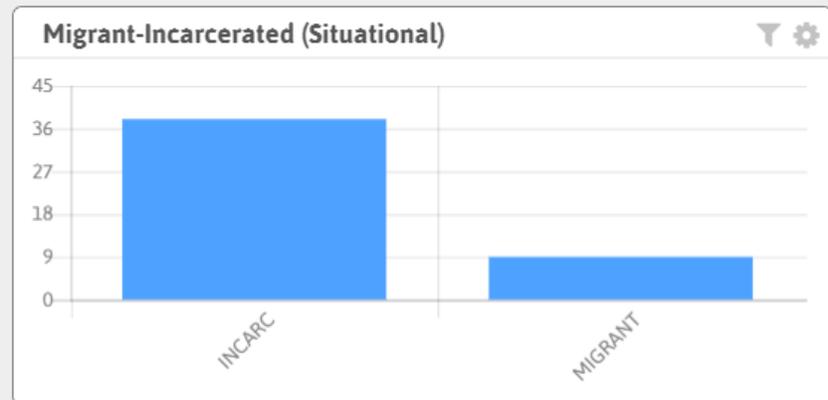
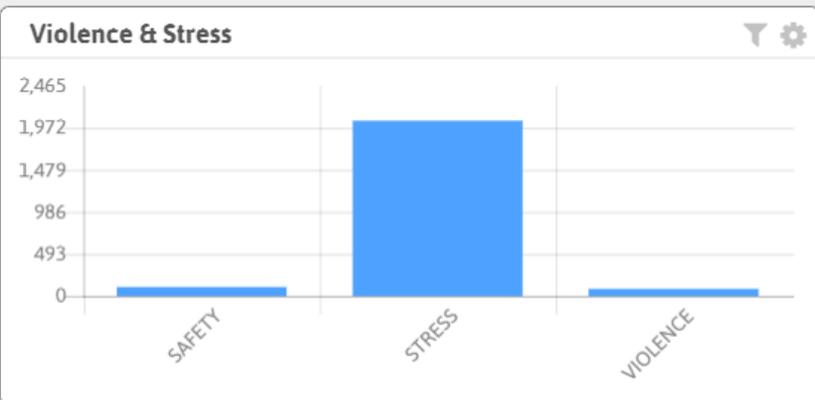
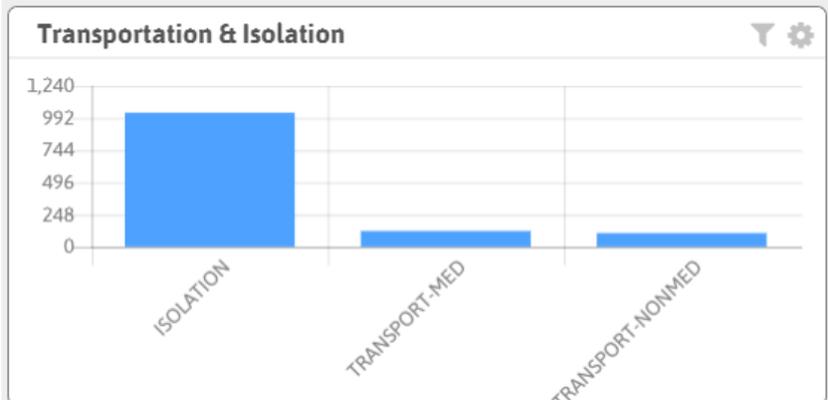
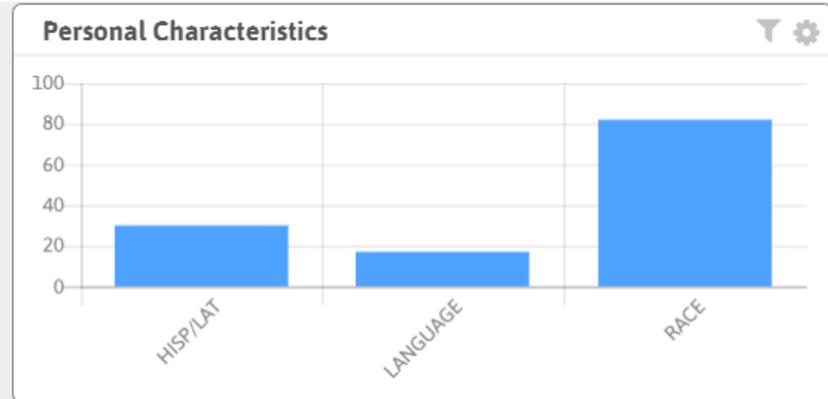
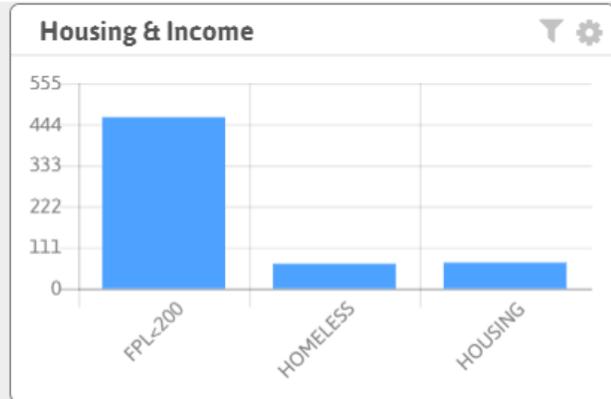
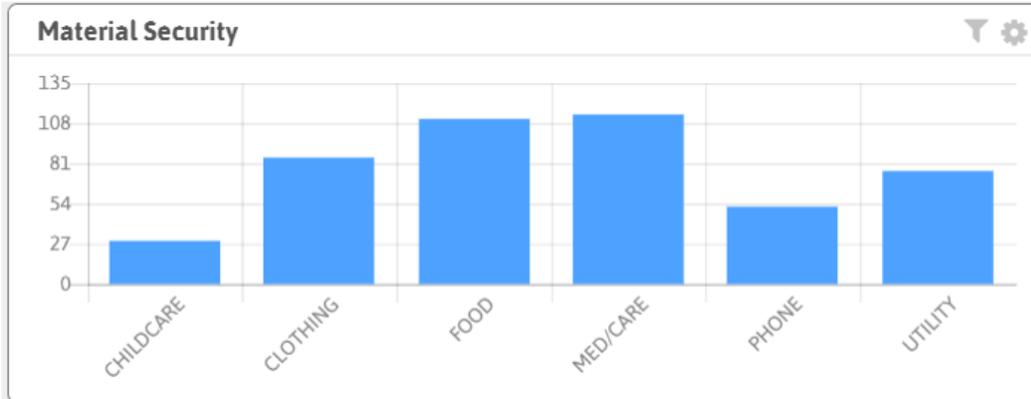
- Evaluate assessments done and completeness of assessment



Trendline by Location



Social Needs Assessed | Criteria by Domain



Using SDOH Data to Evaluate Results



Poll Question

Please provide information regarding your process for managing internal and external patient referrals. Are you tracking referrals to internal resources or external community-based organizations in structured EHR fields? Select all that apply

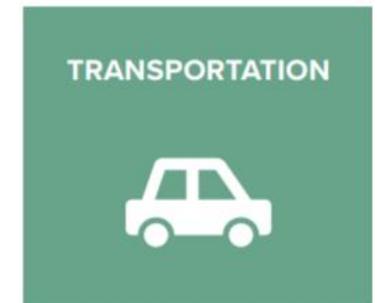
- Yes, my organization is documenting internal and external referrals in structured EHR fields.
- Yes, my organization is documenting internal and external referrals using free text in non-structured EHR fields.
- No, my organization does not make external referrals to community-based organizations to address patients' social needs.
- My organization is currently planning external referrals to community-based organizations focused on patients' social needs.

46 centers across CHCANYS have the Referrals Module in CPCI



Enabling Services

- How are you tracking and managing referrals for social determinants?
- What external resource tracking tools are you using or thinking about using?



COMMUNITY HEALTH CENTERS
AS FOOD OASIS PARTNERS:
Addressing Food Insecurity for Patients and Communities



NACHC Food Insecurity Toolkit

THRIVE

- Boston Medical Center

Cohorts

- A group of people who share a common characteristic or experience within a defined period.
- In DRVS - a cohort is a group of patients, that have a record in DRVS, that are linked together for the purpose of comparison and tracking performance.
- Once one is created and enabled, the cohort is available for filtering on any report.



Patient Cohorts

- Cohort types:
 - Dynamic cohort that expands/contracts over time
 - Static cohort of a population at a specific time
- Ways to create a cohort of patients
 1. Manual
 - Use a list of MRNs from a clinical registry or the details behind a clinical measure
 - Type in a List of MRNs
 - Import list of MRNs from a spreadsheet
 2. Dynamic
 - Create a dynamic Cohort based on data criteria in EHR
- Consider using as filters:
 - in measure performance analysis
 - with a Scorecard
 - on a Dashboard
 - with visit planning tools



Patient Cohort Example

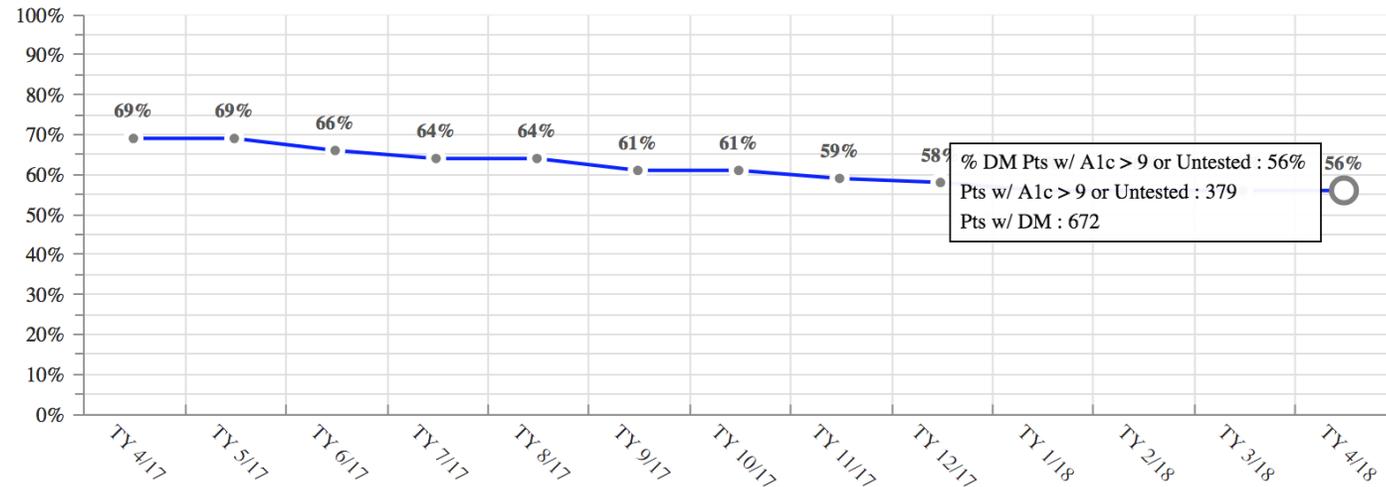
Diabetes A1c > 9 or Untested (NQF 0059) i



Period Type: Trailing Year **Period:** TY April 2018 **Providers:** Providers **Service Lines:** Primary Care ▼ ↻ Update

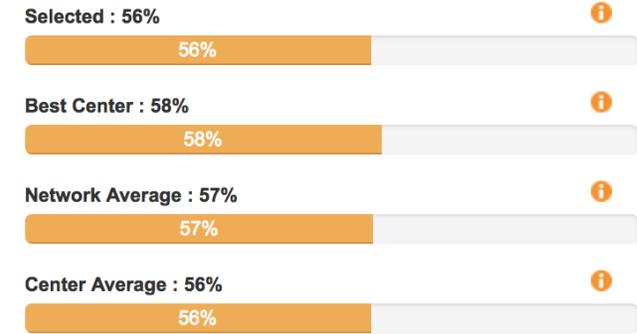
View: Measure Analyzer [Detail List](#) [Value Sets](#) **Target:** Demo ▼ **Primary Target : 51.0%** **Secondary Target : 61.0%** [← Back to report](#)

TY 4/17 to TY 4/18 Trend



% DM Pts w/ A1c > 9 or Untested : 56%
 Pts w/ A1c > 9 or Untested : 379
 Pts w/ DM : 672

TY 4/18 Result



Patient Cohort Example

Diabetes A1c > 9 or Untested (NQF 0059) i

Filter by a characteristic of the population = 102 patients



Period Type: Trailing Year |
 Period: TY August 2018 |
 Providers: Providers |
 Update

View: [Measure Analyzer](#) [Detail List](#) [Value Sets](#) [Create Target](#)

Name	ment Provider	Numerator	Exclusion	Most Recent DM Diag	DM Diag Code	A1c Date	A1c Result
		Y	N	6/27/2018	46635009	6/27/2018	9.5
		Y	N	7/12/2012	46635009	7/24/2018	12.1
		Y	N	3/31/2016	46635009	1/25/2018	10.9
		Y	N	7/5/2018	46635009	7/5/2018	11.9
		Y	N	9/19/2017	44054006	12/19/2017	10.4
		Y	N	4/12/2018	E11.65	3/12/2018	9.4
		Y	N	10/26/2017	E11.65	9/7/2017	9.4
		Y	N	7/27/2018	E11.65	7/27/2018	13.2

Patient Cohort Example

Diabetes A1c > 9 or Untested (NQF 0059) ⓘ

Period Type: Trailing Year | Period: TY April 2018

View: Measure Analyzer | **Detail List** | Value Sets | Target

← Back to report ⓘ

Create Cohort

Name & describe the Cohort so it is clear to other users in your center what it is

Name

DM PDSA

Description

DM patients under 45 whose last A1c was greater than 9 and occurred after Jan 1, 2017

Create Cohort

Name	MRN	Gender	DOB	MRN	Name	Inactive	Most Recent Enc	M
Dibben, Vance	6211179					N	11/17/2017	D
Grosshans, Gerald	3229407					N	11/28/2017	F
Angelica, Barrie	6075012					N	11/28/2017	V
Tappis, Hassan	3954644					N	9/28/2017	A
Juul, Wilda	7615529					N	2/22/2018	A
Zwerschke, Buddy	9252362	M	8/28/1994	9095229	Gunther, Eric	N	2/14/2018	C
Quirino, Thurman	3179640	M	9/26/1976	1592060	Bridgewater, Bill	N	4/3/2018	V
Ethington, Elidia	7365481	F	2/3/1998	4718242	Augustine, Greg	N	11/22/2017	C

1 of 12 pages (89 items)

Patient Cohort Example

Diabetes A1c > 9 or Untested (NQF 0059) i

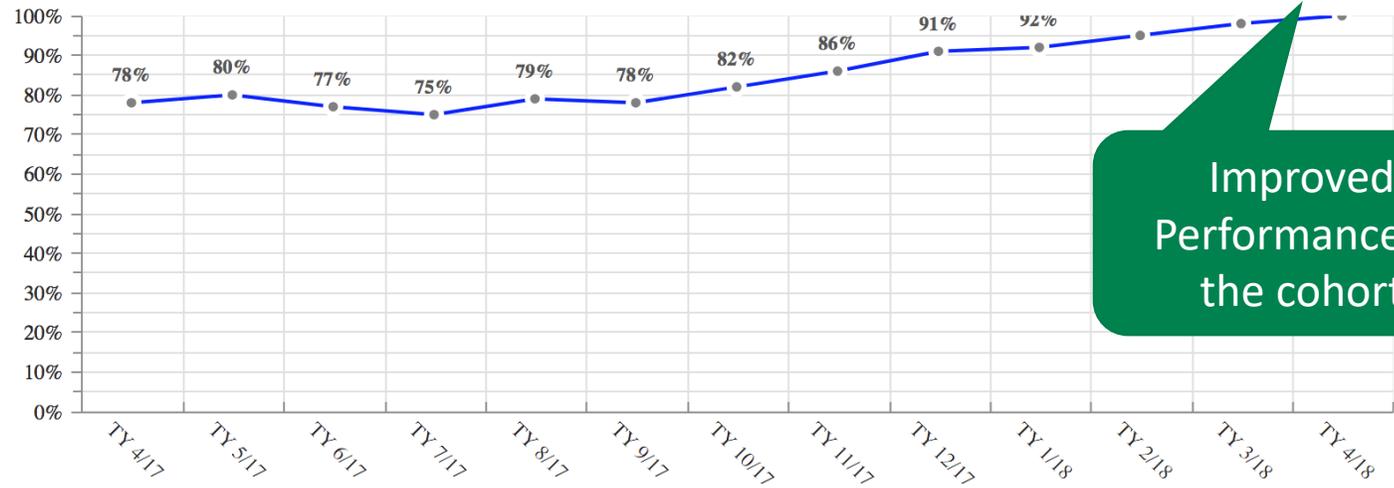


Period Type: | Period: | Providers: | Service Lines: | Cohort:

View: [Measure Analyzer](#) [Detail List](#) [Value Sets](#) | Target: | Primary Target : 51.0% | Secondary Target : 61.0%

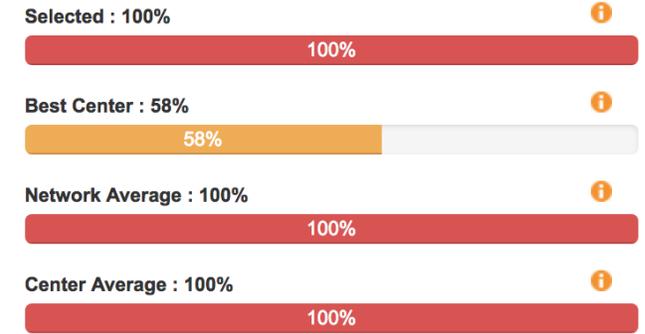
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TY 4/17 to TY 4/18 Trend



Improved Performance in the cohort

TY 4/18 Result



Patient Cohort Example

UDS - UDS 2018 CQMs i



Period Type Trailing Year **Period** TY April 2018 **Providers** Providers **Service Lines** Primary Care **Cohort** DM PDSA ▼ Update

		Measure	Target	Result	Numerator	Denominator	Exclusions
i		Childhood Immunization Status (NQF 0038)	● 51.0%	0.0%	0	0	0
i		Cervical Cancer Screening (NQF 0032)	● 73.0%	100.0%	8	8	32
i		Child Weight Screening / BMI / Nutritional /Physical Activity Counseling (NQF 0024 modified)	● 38.0%	0.0%	0	0	0
i		BMI Screening and Follow-Up 18+ Years (NQF 0421/eCQM 69v6)	● 25.0%	97.8%	45	46	43
i		Tobacco Use: Screening and Cessation (NQF 0028)	● 21.0%	97.5%	79	81	0
i		Use of Appropriate Medications for Asthma (NQF 0036)	● 77.0%	100.0%	27	27	45
i		CAD Lipid Therapy	● 62.0%	100.0%	32	32	41
i		IVD Aspirin Use (NQF 0068)	● 67.0%	94.1%	16	17	66
i		Colorectal Cancer Screening (NQF 0034)	● 42.0%	0.0%	0	0	0
i		Screening for Depression and Follow-Up Plan (NQF 0418)	● 76.0%	88.2%	15	17	72
i		HIV and Pregnant (UDS)	● 42.0%	100.0%	32	32	0
i		Hypertension Controlling High Blood Pressure (NQF 0018)	● 24.0%	50.0%	1	2	19
i		Diabetes A1c > 9 or Untested (NQF 0059)	● 51.0%	100.0%	89	89	0

Patient Cohort Example

Clinical Operations - Visit Planning ☆ 📄 📧

🔒 pvpview

Start Date: 04/29/2018
End Date: 04/29/2018
Period Tense: Most Recent Enco...
Providers: Providers
MRN List:
Cohort: DM PDSA
📄 🔄 Update

Total Providers: 1

Augustine, Greg 1 Scheduled Appointment

[Export this Provider to PDF](#)

9:00 AM | Sunday, April 29, 2018 Visit Reason: Office visit

Ruscher, Korey	Sex at Birth: M	Phone: 774-741-3810	Last Phys: 3/16/2018	PCP: Gunther, Eric
MRN: 2796920	Gender Identity: Female	Language: English	Portal Access: 11/07/2017	Payer: Medicaid
DOB: 11/2/1984 (33 years)	Sexual Orientation: Lesbian or gay	Risk: High	Cohorts: DM PDSA	Care Manager: Prudence Grisham

Diagnoses (12)			Alert	Message	Most Recent Date	Most Recent Result
AMI	CP	IVD	Pap Anal	Missing		
ASM	DEP/BP	Pre-DM	A1c	Out of Range	3/16/2018	13.8
CAD	DM	SED	Gonorrhea	Missing		
COPD	HIV	SUD	Viral Load Suppression	No Viral Load	8/8/2016	
Risk Factors (3)			AUDIT	Violence Scr	High Risk Opioid Rx	Opioid Prescribing Risk
ACT	Preg	TOB	Opioids 5+ Prescribers	At risk	3/16/2018	N
			Prenatal	At risk	3/16/2018	N
			Dental	Missing	3/16/2018	Y
SDOH (11)			Open Referral w/o Result	Specialist/Location	Ordered Date	Appt. Date
HOUSING	CHILDCARE	EMPLOYMENT	Gastroenterology	Samantha Frost / Brookline	3/16/2018	3/30/2018
FOOD	CLOTHING	RACE	Nutritionist	Samantha Frost / Boston	3/16/2018	4/2/2018
MATERIAL	ISOLATION	MIGRANT	Gastroenterology	John Smith / Brighton	11/7/2017	12/4/2017
SECURITY	SAFETY		Gastroenterology	Samantha Frost / Burlington	11/7/2017	
			Radiology	John Smith / Boston	11/7/2017	
			Accupuncture	Jim Cohen / Burlington	6/1/2017	6/18/2017
			Nutritionist	Jim Cohen / Boston	6/1/2017	

SDOH Assessed in Primary Care Using Cohort

Patients with Primary Care Encounters

Press F11 to exit full screen

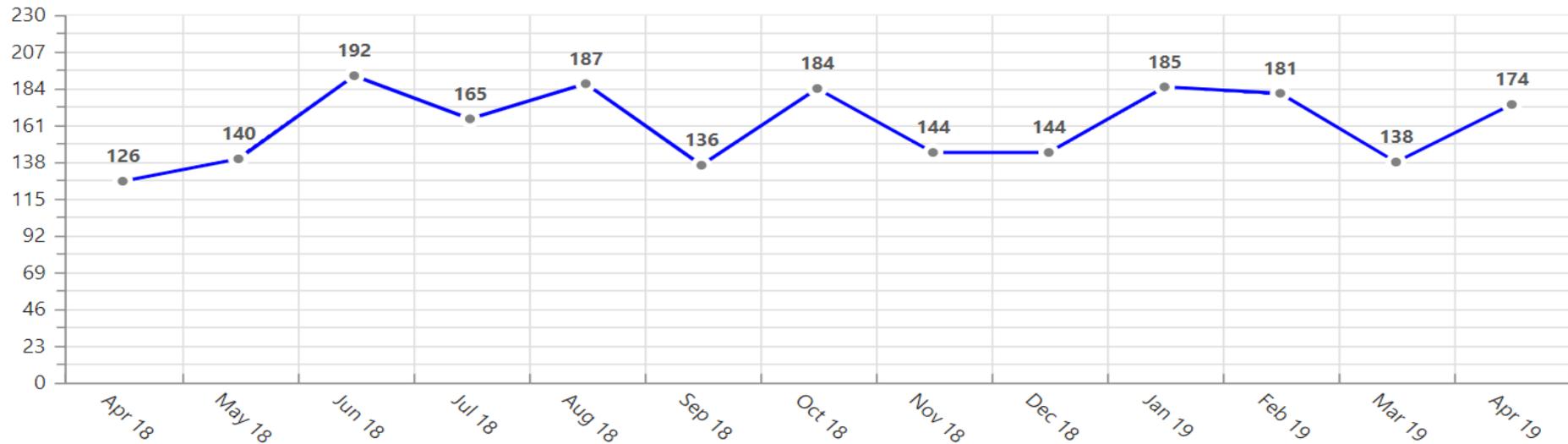


Period Type: Month | Period: April 2019 | Centers: | Providers: Providers | Cohort: Social Needs As... | Update

View: Measure Analyzer | Detail List | Value Sets | Create Target

Apr 18 to Apr 19 Trend

Group By: None



Applying the Cohort Filter to Referrals

Referrals - Open Referrals ⓘ

reports_phi

Start Date: 11/06/2019 End Date: 11/13/2019 Providers: Providers

Update

Name	Center	MRN
------	--------	-----

Filters

- Centers
- Providers
- Locations
- Patient Diagnoses
- Referral Priority
- Referral Order State
- Cohort
- Internal Referral
- Pt. Self Scheduling
- Referral Owner
- Referral Type

OK Cancel

Next Steps and Vision

Where are we going from here?

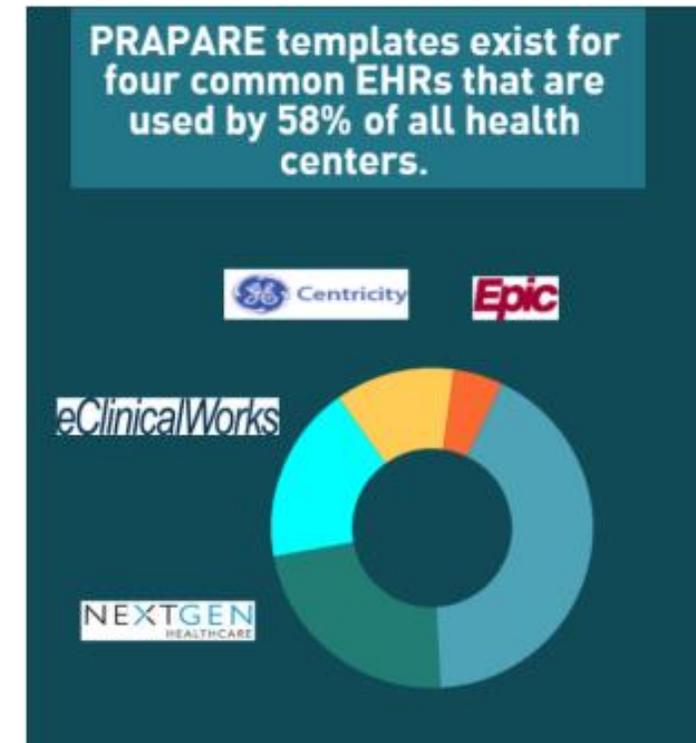


SDOH Future Features

- ✓ Filter capability available in late June 2018.
 - All SDOH criteria
 - SDOH Tally count
- ✓ Basic measures available in Fall of 2018.
 - SDOH Survey Completed
- ✓ SDOH Assessed Dashboard
- ✓ Risk Criteria using an SDOH count (e.g., 0-3, 4-7, 8-12, >=13) – June 2019
- ✓ Cohorts available in Referral Module – May 2019
- Future Needs
 - Alerting needs
 - Protective factors /assets
 - Work with NACHC on weighted SDOH criteria
 - CHWs – qualifying visit

Resources

- NACHC PRAPARE Resources
<http://www.nachc.org/research-and-data/prapare/>
- PRAPARE Toolkit
<http://www.nachc.org/research-and-data/prapare/toolkit/>
 - Access EHR templates
 - Resources for Responding to Social Determinants of Health



Questions?

