

The healthcare sector's roles and responsibilities around social drivers of health

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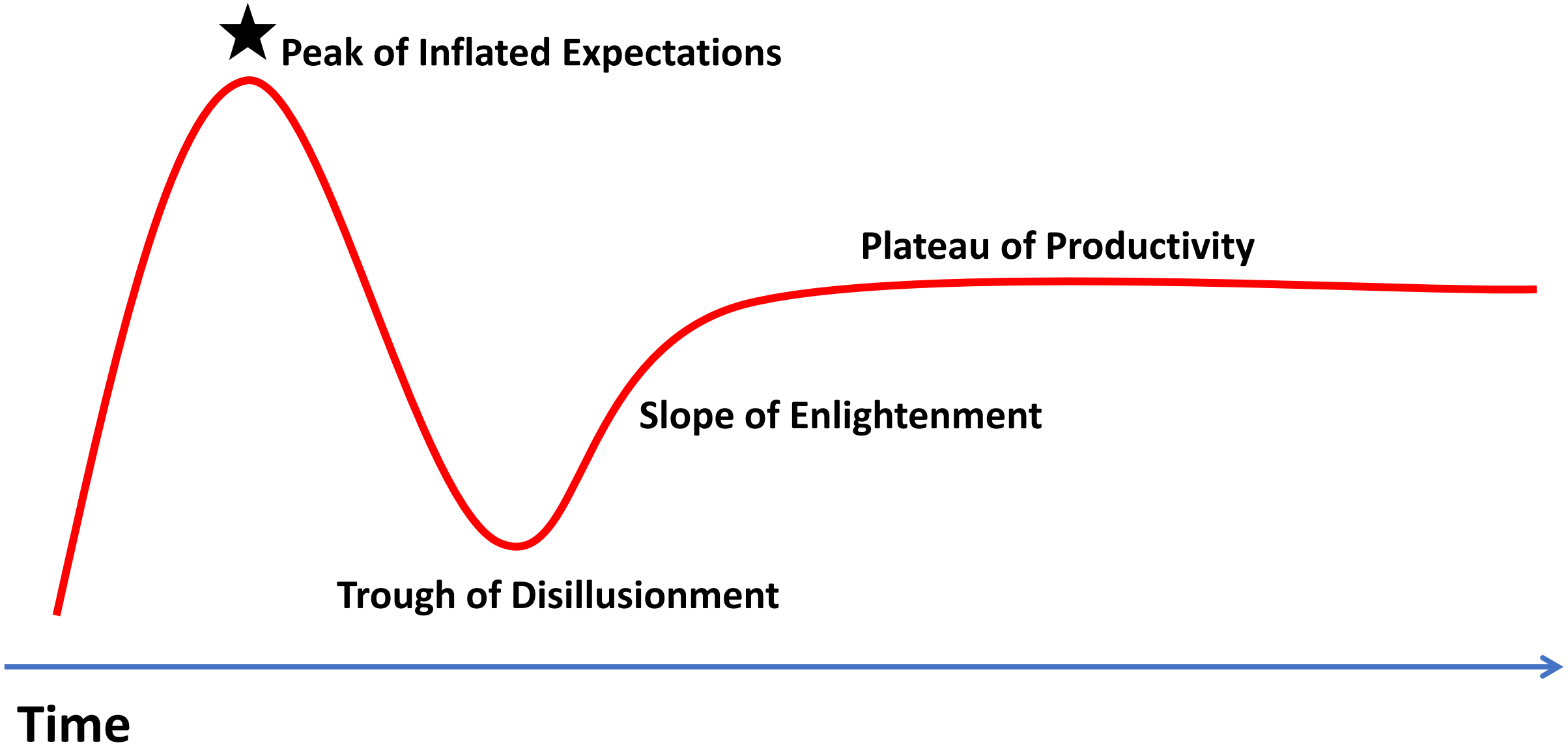
University of California San Francisco

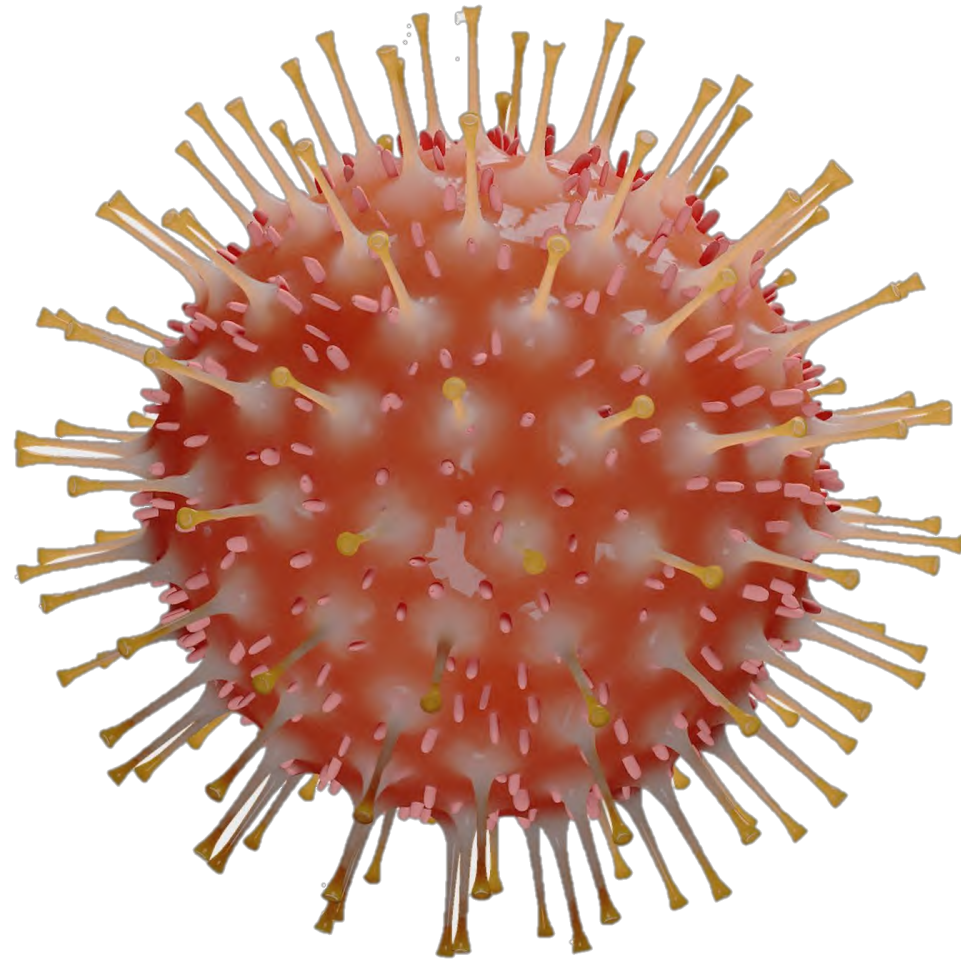
February 15, 2024 (Presented at USC Cancer Health Equity Symposium)

SIRENetwork.ucsf.edu



SDH in the health care innovation hype cycle





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Shoulds & should nots of social care?



Screen all patients?



Screen at every clinical encounter?



Screen only for risks where we know services are available?



Who should screen?



Can quality metrics assess effectiveness? Experience?

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT

INTEGRATING SOCIAL CARE INTO THE DELIVERY OF HEALTH CARE

MOVING UPSTREAM
TO IMPROVE THE
NATION'S HEALTH

NASEM Committee

Patient-focused strategies

Awareness
Identify social risk factors

Assistance
Intervene on social risk factors

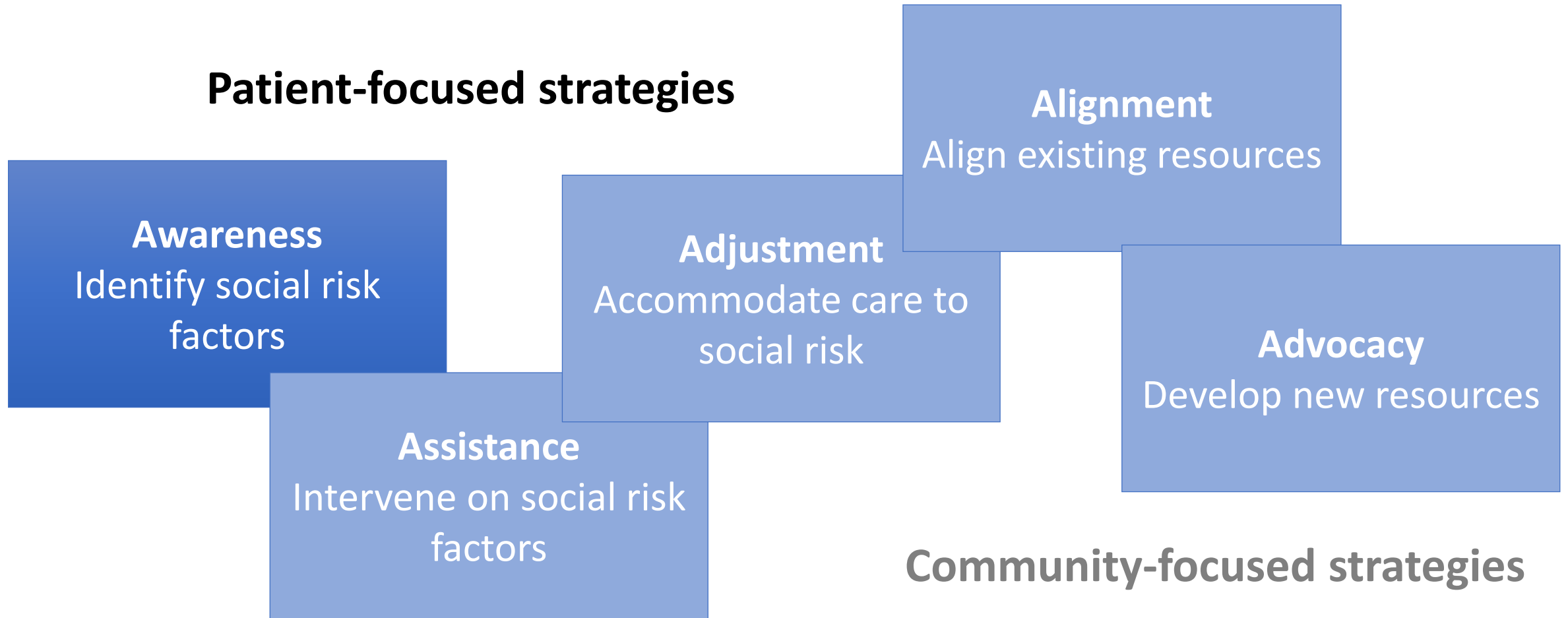
Adjustment
Accommodate care to social risk

Alignment
Align existing resources

Advocacy
Develop new resources

Community-focused strategies

NASEM Committee





Screening Tools

Social & economic risk screening tool	Recommended Social and Behavioral Domains and Measures for Electronic Health Records	PRAPARE: Protocol for Responding to and Assessing Patient Assets, Risks, and Experiences	CMS Accountable Health Communities Screening Tool
Total # of questions	24	21	10
Housing		<input type="checkbox"/>	<input type="checkbox"/>
Food		<input type="checkbox"/>	<input type="checkbox"/>
Clothing		<input type="checkbox"/>	
Utilities (phone, gas, electric)		<input type="checkbox"/>	<input type="checkbox"/>
Medicine/health care		<input type="checkbox"/>	
Child care		<input type="checkbox"/>	
Transportation		<input type="checkbox"/>	<input type="checkbox"/>
Neighborhood safety		<input type="checkbox"/>	
Interpersonal violence/safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical Activity	<input type="checkbox"/>		
Social connections/isolation	<input type="checkbox"/>	<input type="checkbox"/>	
Stress	<input type="checkbox"/>	<input type="checkbox"/>	

Screening Tool Validity

- No tool reported following 8 steps of gold standard measure development
- 15/21 reported modifying existing tools





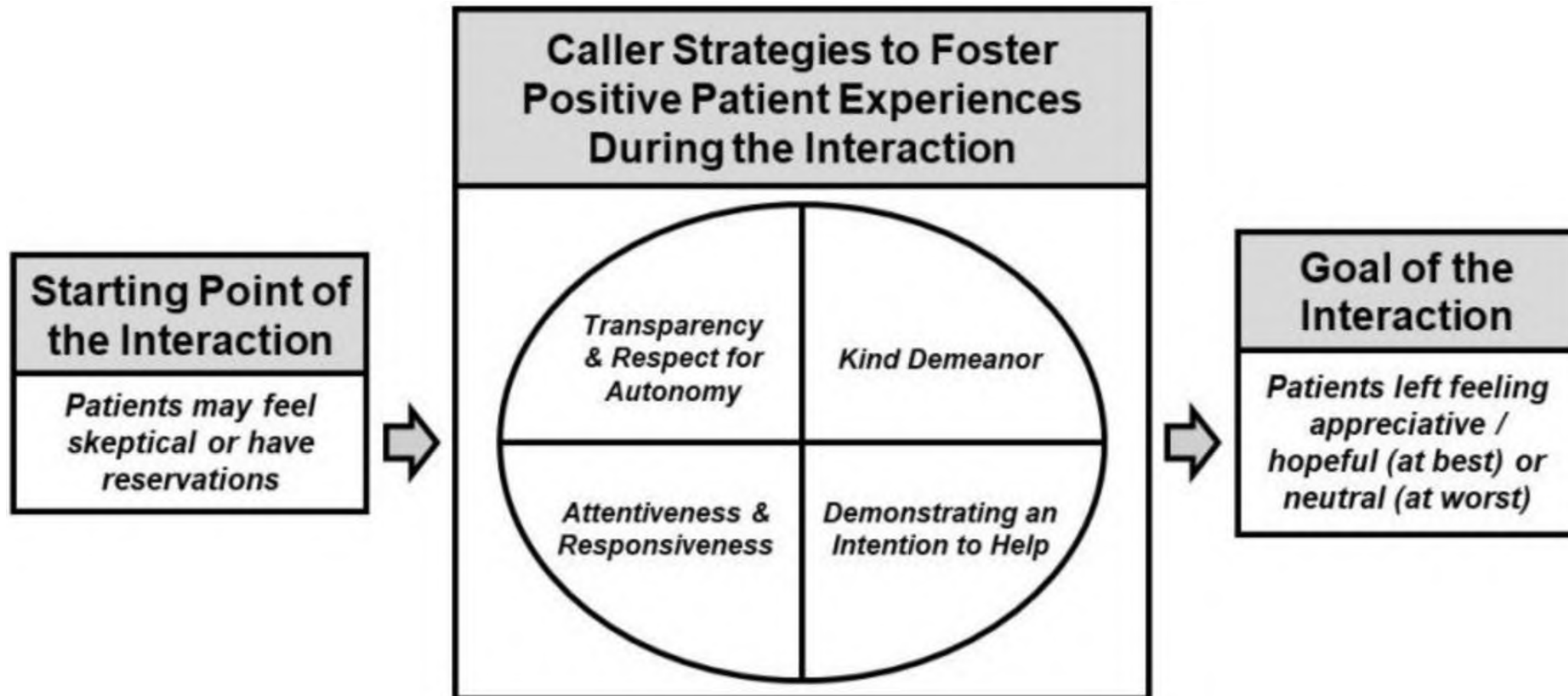
Screening Acceptability

Key Findings

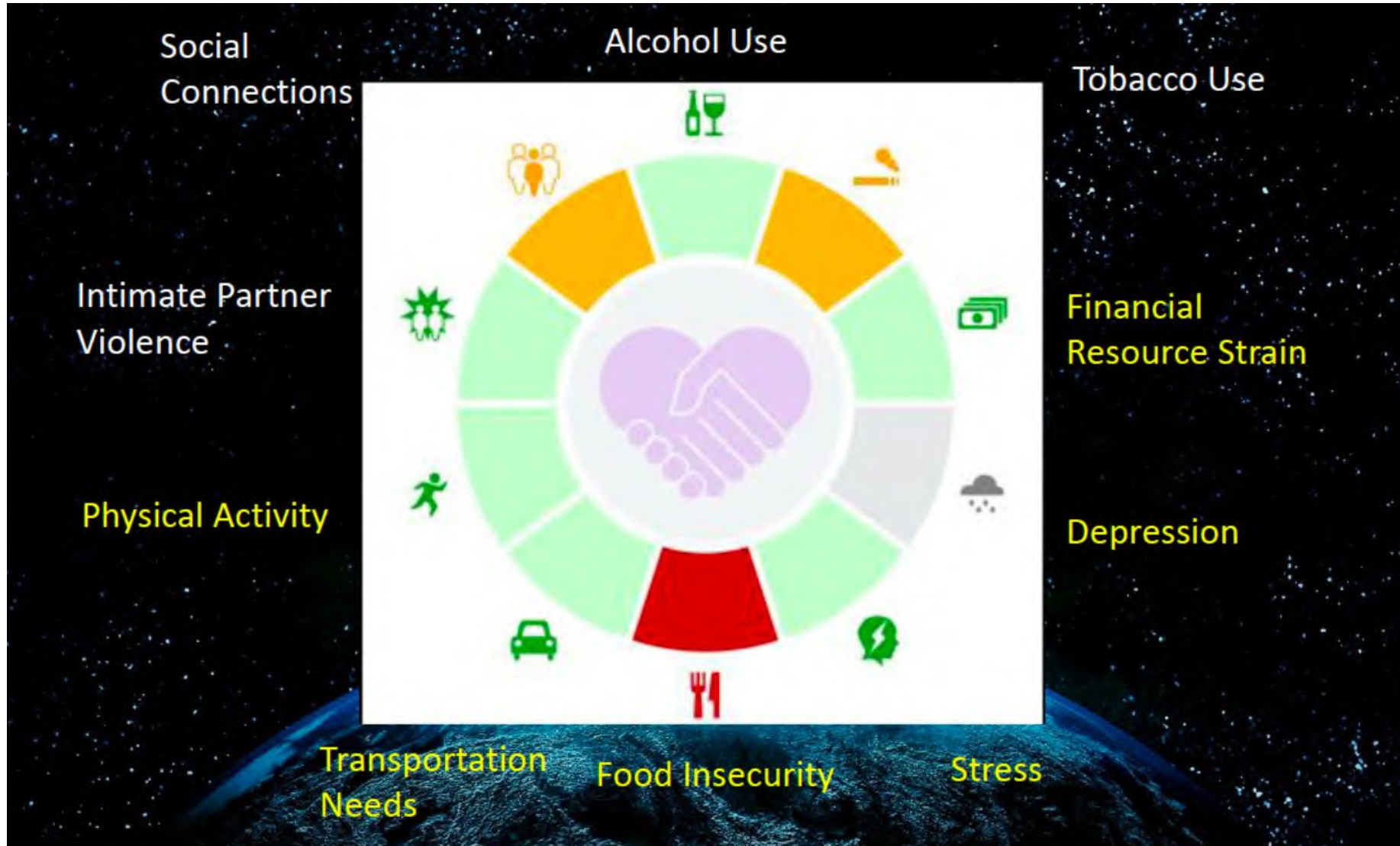
- The majority of patients/caregivers in 8/12 of studies where it was assessed thought social screening in healthcare settings was acceptable;
- Trust in providers and prior experience of social screening were associated with higher acceptability;
- There were no consistent differences in acceptability by race/ethnicity or gender across studies;
- Participants from 6/9 studies raised concerns about how social screening data would be documented, shared, updated, and/or used;
- The existing research on patient perspectives is qualitative, and much of it comes from studies with small sample sizes. Deeper and more rigorous research is needed to better inform patient-centered approaches to social screening.



Increasing Screening Acceptability



Technology might facilitate social risk screening



Payment might facilitate social risk screening: Quality measures

Agency/Org (program)	NCQA HEDIS Measures	CMS IQR Measures
Description	% of members screened at least once	% of patients screened for 5 HRSN (IQR and MIPS); % of screened who report risk (IQR only)
Setting/Population	Health plans / all patients	Hospitals / 18+
Domains	Food, housing, & transportation security	Food, housing, transportation, & utilities security and interpersonal violence

Comparing implementation strategies for social needs programs: A natural study of two pragmatic trials (AHRQ R18)

	No financial incentives	Financial incentives
No/low implementation support	No AHC or ASCEND clinics (n=15)	AHC clinics (n=16)
Rich implementation support	ASCEND clinics (n=20)	ASCEND + AHC clinics (n=10)



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State of the Science on Social Screening in Healthcare Settings

Executive Summary

Summer 2022



- Prevalence
- Validity of tools
- Patient/caregiver acceptability
- Provider acceptability
- Implementation

<https://sirenetwork.ucsf.edu/tools-resources/resources/screen-report-state-science-social-screening-healthcare-settings>

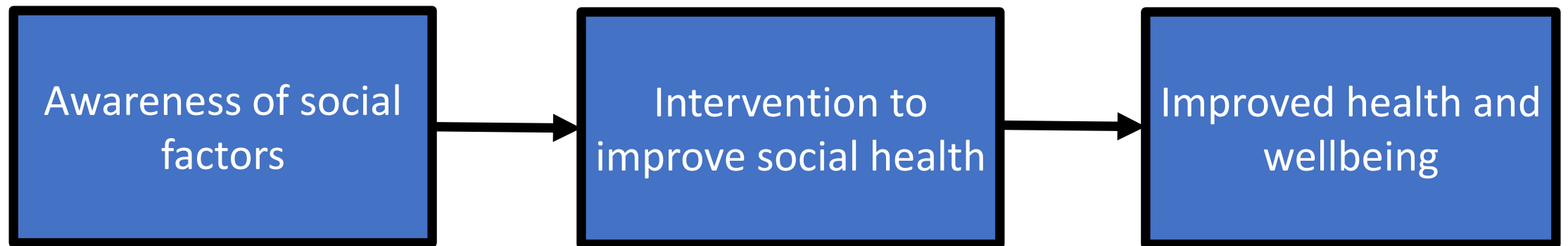
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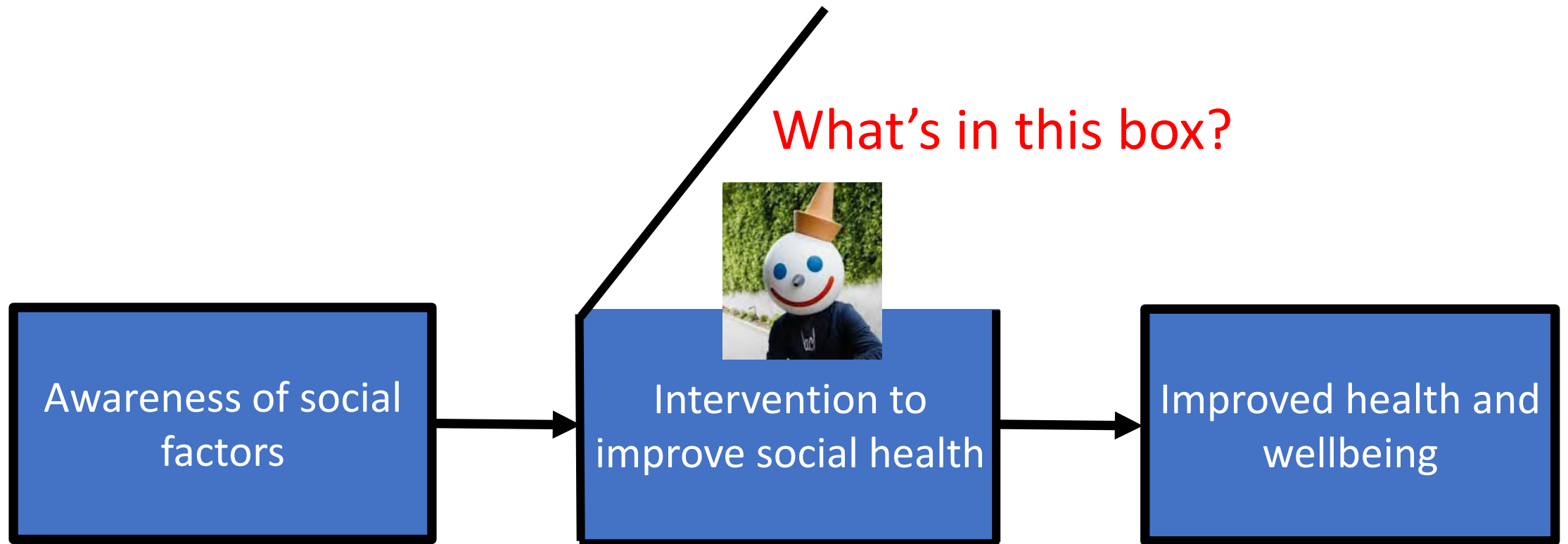
Assistance strategies

Change social context, e.g.:

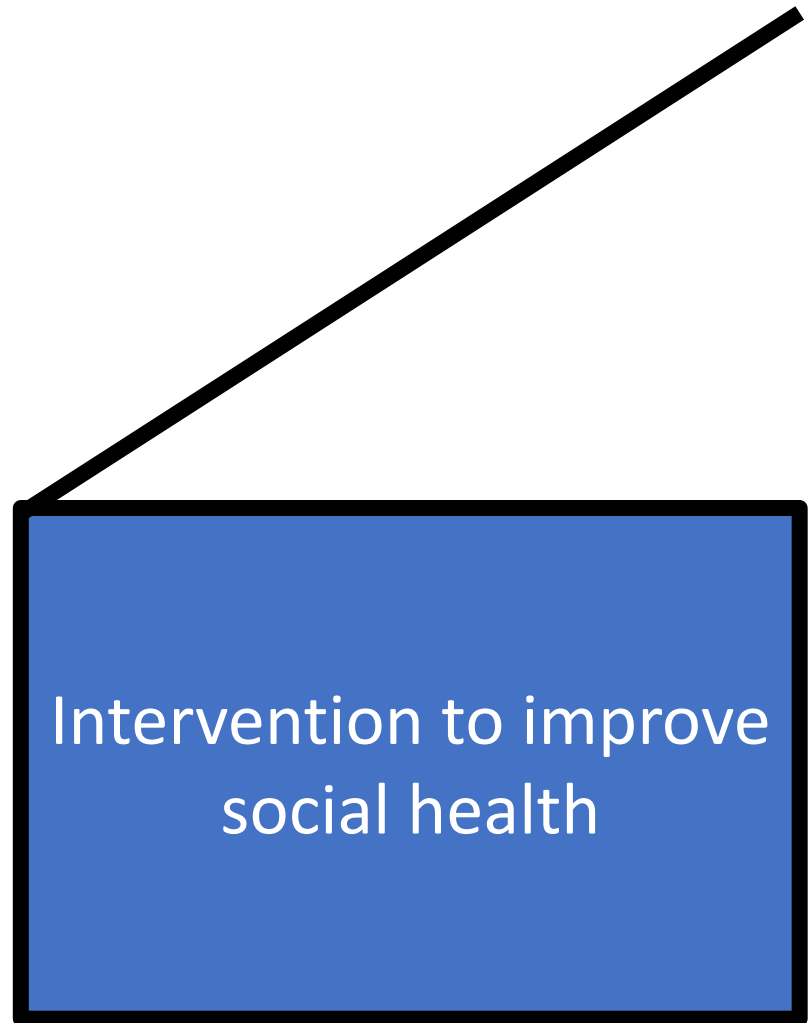
- Food
- Jobs
- Housing



Assistance strategies



Assistance strategies in cancer care



“Although many studies included economic stability measures, no interventions sought to improve participants' economic well-being. *This finding reflects potential missed opportunities among populations with more barriers to care, lower socioeconomic status, or experiencing homelessness or housing insecurity.*”

Korn, *et al.* Social determinants of health and US cancer screening interventions (review). Cancer. 2023.

Assistance strategies

January 19, 2023

Racial Health Equity and Social Needs Interventions

A Review of a Scoping Review

Crystal W. Cené, MD, MPH^{1,2}; Meera Viswanathan, PhD³; Caroline M. Fichtenberg, PhD^{4,5}; [et al](#)

JAMA Netw Open. 2023;6(1):e2250654.

Of 152 studies only 14% reported whether intervention outcomes differed by participant race or ethnicity.

Another 23 studies (15%) included race or ethnicity in their analyses as confounders.

108 [71%] did not include race or ethnicity in their analyses at all.



Assistance strategies: Accountable Health Communities Model

- No differences in acceptance of navigation by race/ethnicity
- Black and Hispanic beneficiaries more likely to connect with community service providers
- Black and Hispanic Medicare beneficiaries more likely to decrease ER visits and avoidable ER visits (Medicare FFS)



Technology might facilitate assistance strategies



SOCIALLY DETERMINED

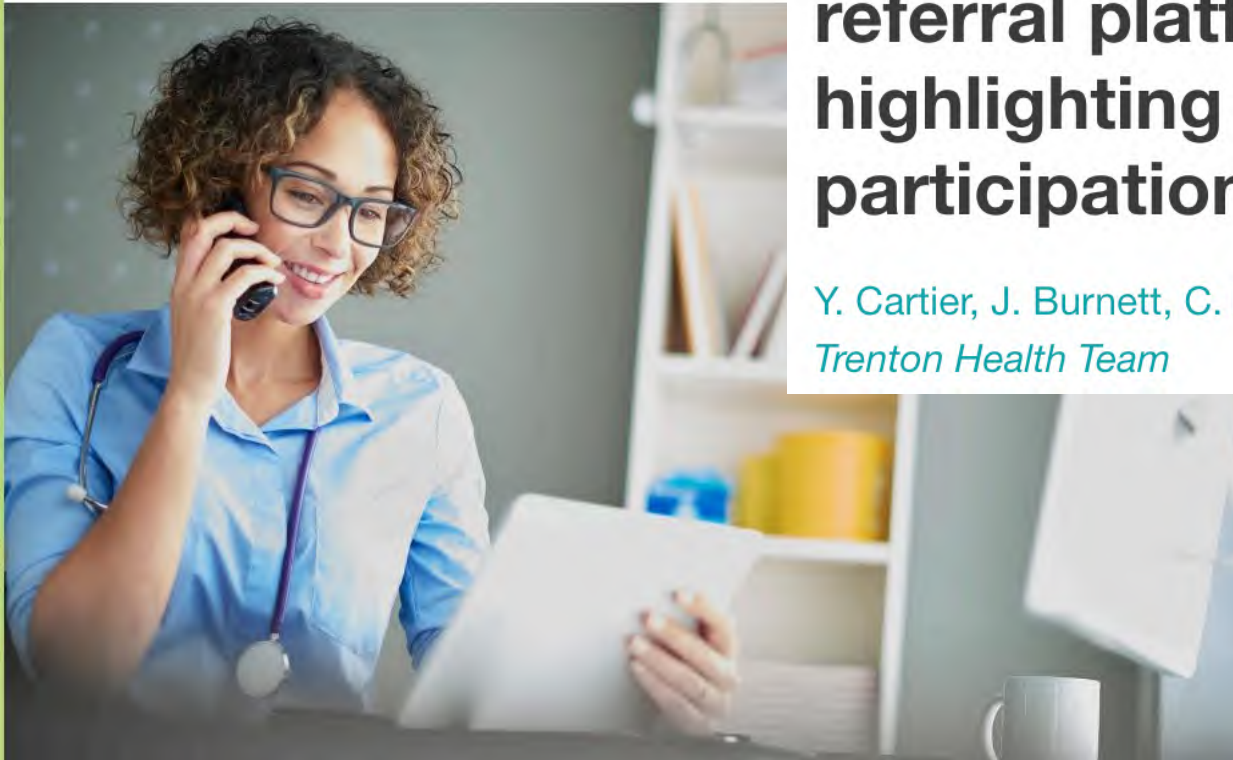


- Resource and referral data
- Data exchange
- Community-based network
- Predictive analytics

Community Resource Referral Platforms: A Guide for Health Care Organizations

Yuri Cartier, MPH
Caroline Fichtenberg, PhD
Laura Gottlieb, MD, MPH

April 16, 2019

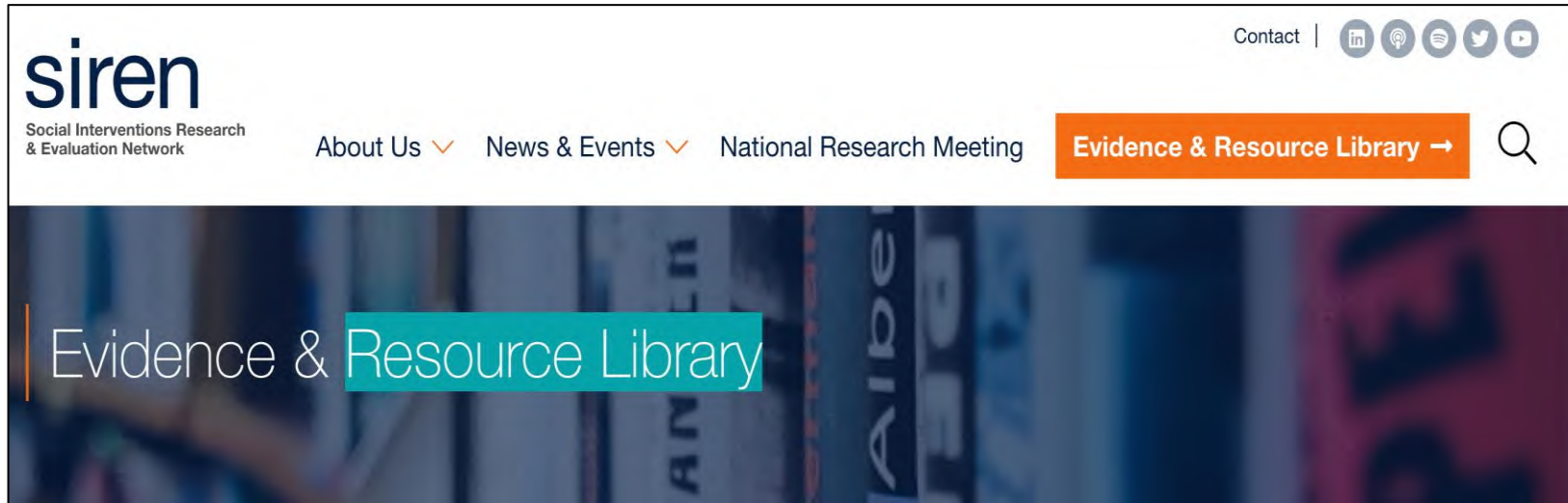


[← Back to Evidence & Resource Library](#)

CBO perspectives on community resource referral platforms: Findings from year 1 of highlighting and assessing referral platform participation (HARP)

Y. Cartier, J. Burnett, C. Fichtenberg, E. Morganstern, N. Terens, S. Altschuler, G. Paulson
Trenton Health Team

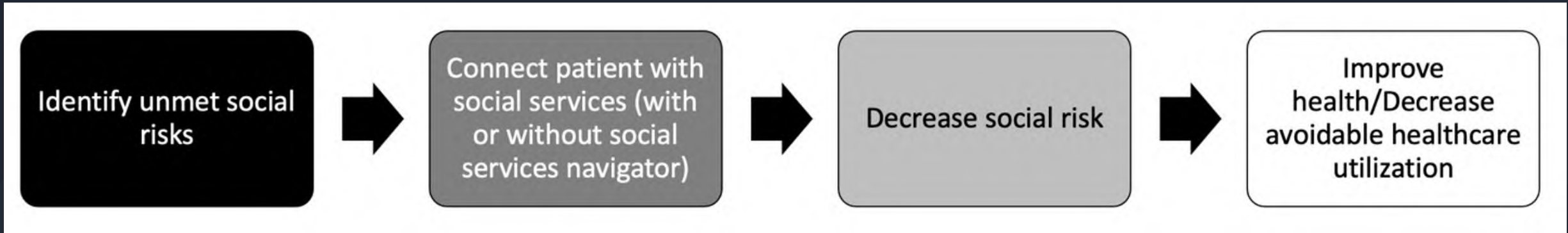
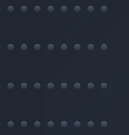
Places to find more information about the evidence



[Other Evidence Products](#) Completed

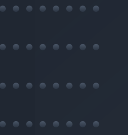
An Evidence Map of Social Needs Interventions and Health Outcomes

pcori PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE



Simplified OASIS logic model (Gurevich et al, JGIM 2020)





Revising the logic model behind
healthcare's social care investments.
Milbank Q. Jan 2024.



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Community-focused strategies

Adjustment strategies

Adjust care to social context, e.g.:

- Access
- Diagnostics
- Treatment



Adjustment strategies: Cancer care examples

Clinical decisions influenced by social risk data	Example
Access	Same day screening/scheduling Mobile vans Evening and weekend clinics Phone/video appointments
Diagnostics and treatment planning	Self-sampling screening options Reduced regimen complexity Free/reduced cost for visits/medications Language & literacy adapted materials

Technology might be a driver for Adjustment

COHERE Trial; NIMHD R01



SmartList Text (shown to user and added to note)	AVS Text (shown to patient)	Hyperlinks to...	Logic: Option appears if
"titrating insulin based on food availability"	"You and your provider talked about how to adjust your insulin dose based on your food intake."	-Add info about titrating insulin to AVS	Food insecurity + active insulin rx



Office of the National Coordinator
for Health Information Technology

Social Determinants of Health (SDOH) Clinical Decision Support (CDS) Feasibility Brief

<https://www.healthit.gov/sites/default/files/page/2023-02/SDOH-CDS-Feasibility-Brief.pdf>

Cancer Care Navigation: Ahead of the Curve?

Medical Navigation

- Facilitates appointments between care members
- Expedites rescheduling for missed appointments
- Coordinates routine testing and workup
- Acts as initial point of contact for acute care needs

Financial Navigation

- Establishes insurance coverage in eligible populations
- Ensures treatment modalities are covered by insurance
- Facilitates prior authorizations
- Facilitates disability leave and absences when eligible

Psychosocial Navigation

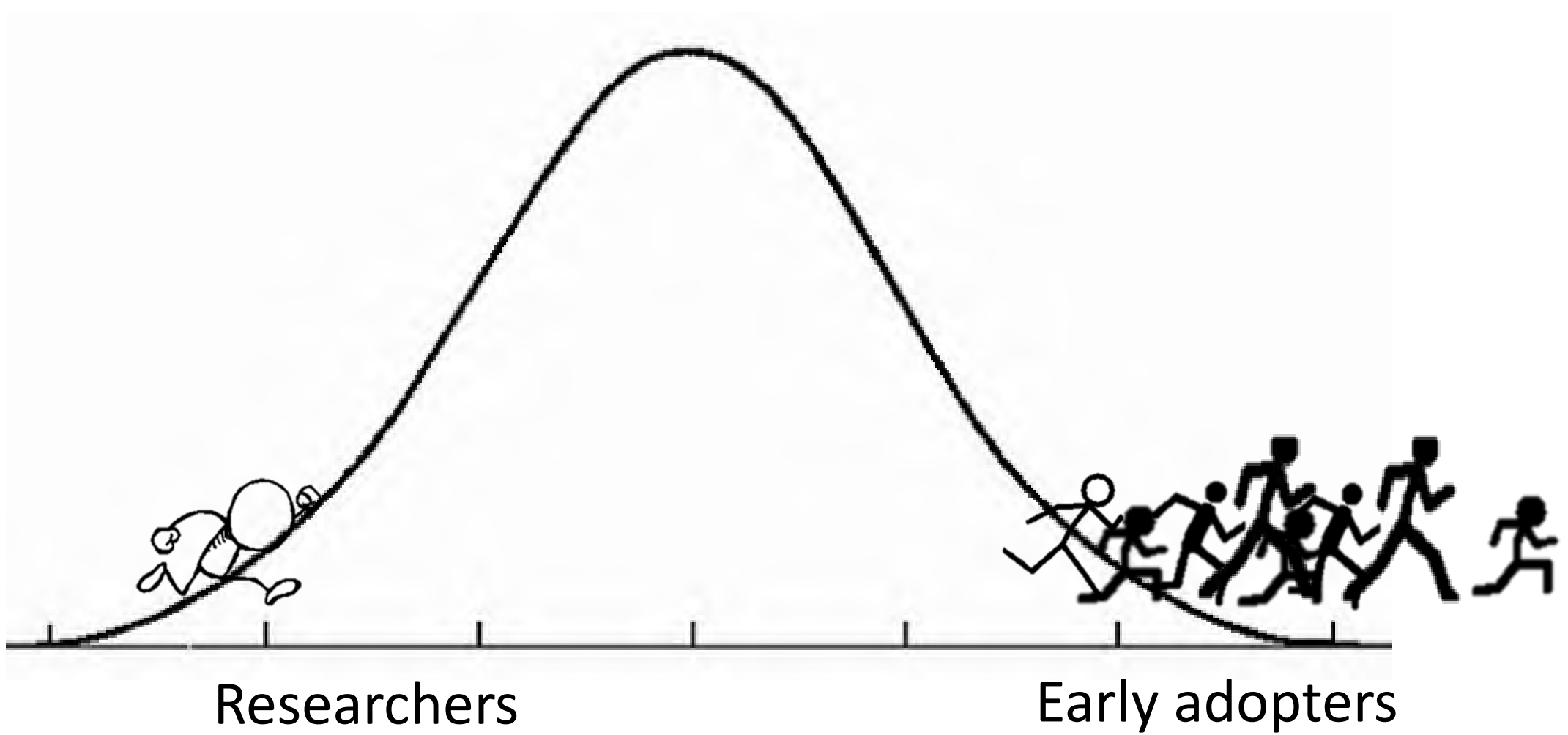
- Identifies and develops support systems
- Fosters health education and offers decision-making support
- Provides continuous emotional support and advocacy
- Facilitates referrals to behavioral health providers

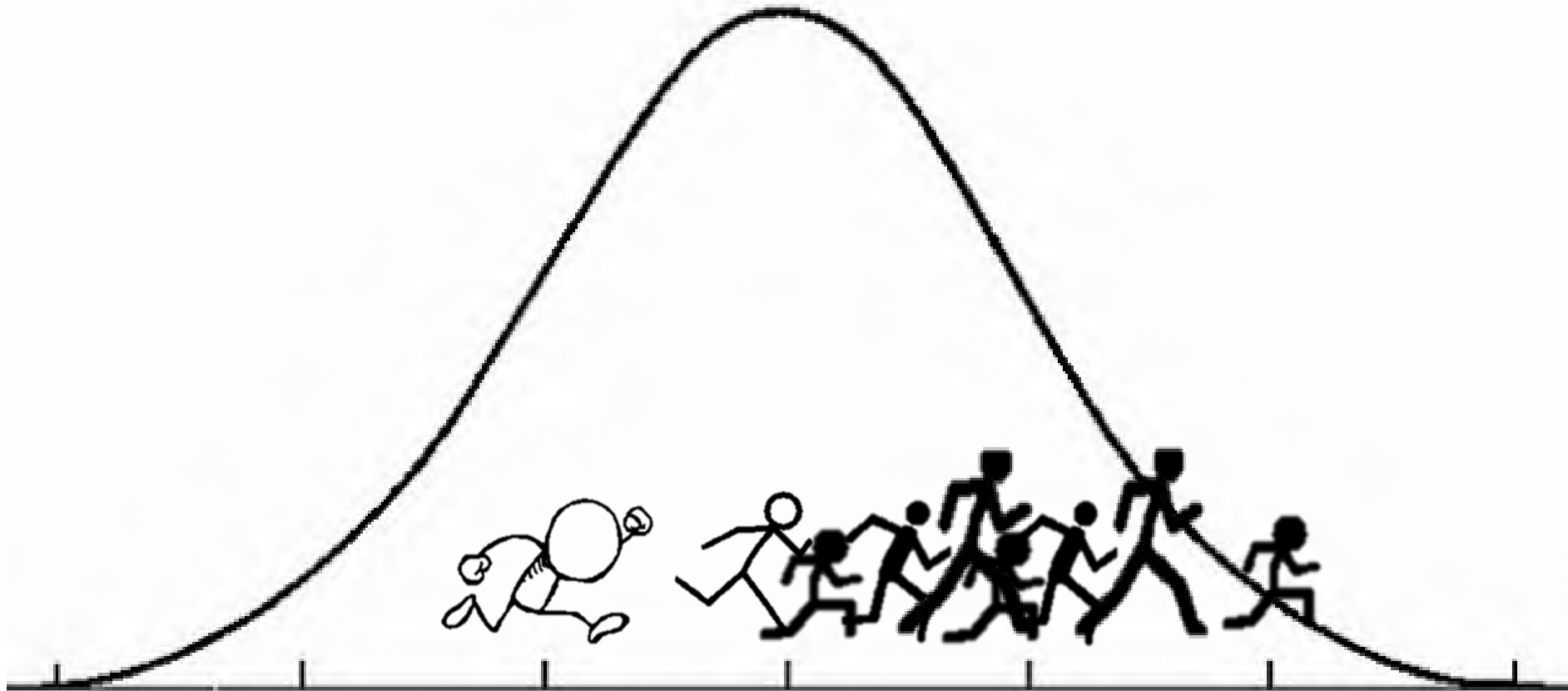
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Alignment and Advocacy







Researchers Standards Setting Organizations

Social Interventions Research & Evaluation Network

SIREN's mission is to improve health and health equity by catalyzing and disseminating high quality research that advances health care sector strategies to improve social conditions.



Catalyzing high
quality research



Collecting &
disseminating research



Consulting on
research & analytics

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Questions?



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