Implementation Science
Coordination, Consultation,
& Collaboration Initiative

Leveraging Implementation Science to End the HIV Epidemic

January 25th, 2021

Objectives of the Webinar:

Describe the role of NIH and ISC3I in the EHE initiative

Identify the HIV IS Consultation Hubs and their areas of expertise

Describe the landscape of current EHE CFAR/ARC supplement projects

Agenda:

History of ISWG/ISC3I activities (15min)

Y1 Findings and Y2 Overview (10 min)

Introductions of IS Hubs (25 min)

Q & A (10 min)

History of inter-CFAR implementation science working group

Established in 2018 through CFAR supplement to Third Coast (Mustanski and Benbow) and Johns Hopkins (Baral) CFARs to host working on HIV implementation science.

Goals and objectives identified through interviews and surveys of CFAR leaders, calls with planning group (now steering committee), and 3 in person meetings.

Steering committee comprised of 23 members from 9 CFARs, 3 federal agencies (5 NIH ICs, CDC, USAID), and 1 foundation (AmFar). **Executive Committee:** Benbow, Mustanski, Baral (Co-Chairs); Geng, Sherr, Smith (members).

Initially **funded** through CFAR meeting supplement with ongoing administrative support provided by TC CFAR. Continuing with support of **ISC³I** supplement (TC CFAR) and **training** supplement (JHU).

CFAR Implementation Science Working Group Purpose and Mission

1. Advance **training** in HIV implementation science (training institute).
2. Create and disseminate **tools** to support implementation science at CFARs (website with articles, talks, slide deck).
3. **Convene** HIV implementation science researchers, research and services funders, and implementation partners (e.g., health departments, large health systems) to exchange knowledge about new scientific developments, identify gaps and opportunities, forge collaborations, and help train new investigators (workshop, conference).
4. Explore **infrastructure** that could support nimble, cost-effective, and high impact HIV implementation science.

Brian Mustanski
Co-Director

ISC3
Implementation Science
Coordination, Consultation,
& Collaboration Initiative

Nanette Benbow
Co-Director

C Hendricks Brown

Jasmine Deskins

Brennan Keiser

Melissa Mongrella

Dennis H. Li

Kasim Ortiz

JD Smith

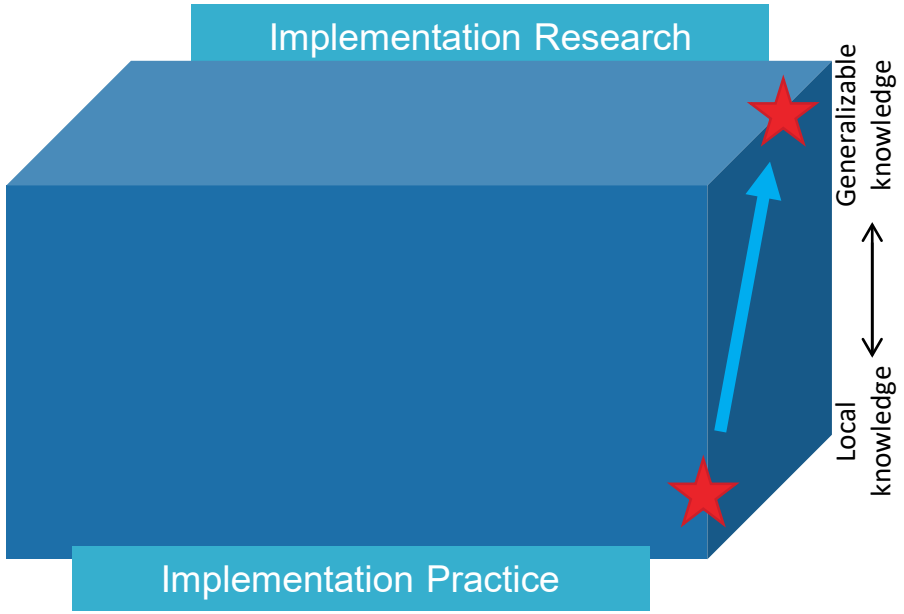
Juan Villamar

Northwestern | Institute for Sexual and Gender Minority Health and Wellbeing

Third Coast CFAR
CENTER FOR AIDS RESEARCH IN CHICAGO

Center for Prevention Implementation Methodology
FOR DRUG ABUSE AND HIV

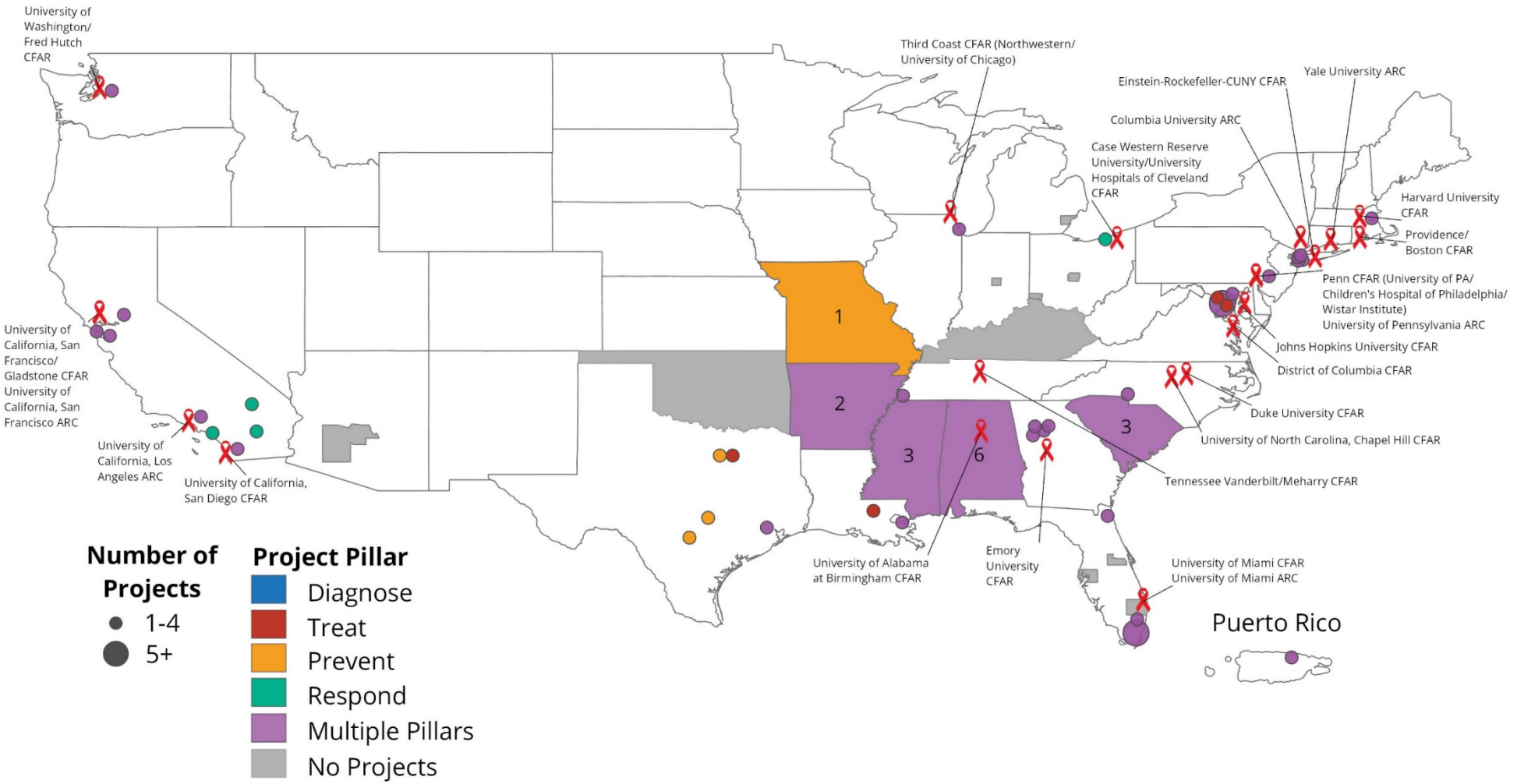
Implementation Science Coordination, Consultation, & Collaboration Initiative



Overarching Goals

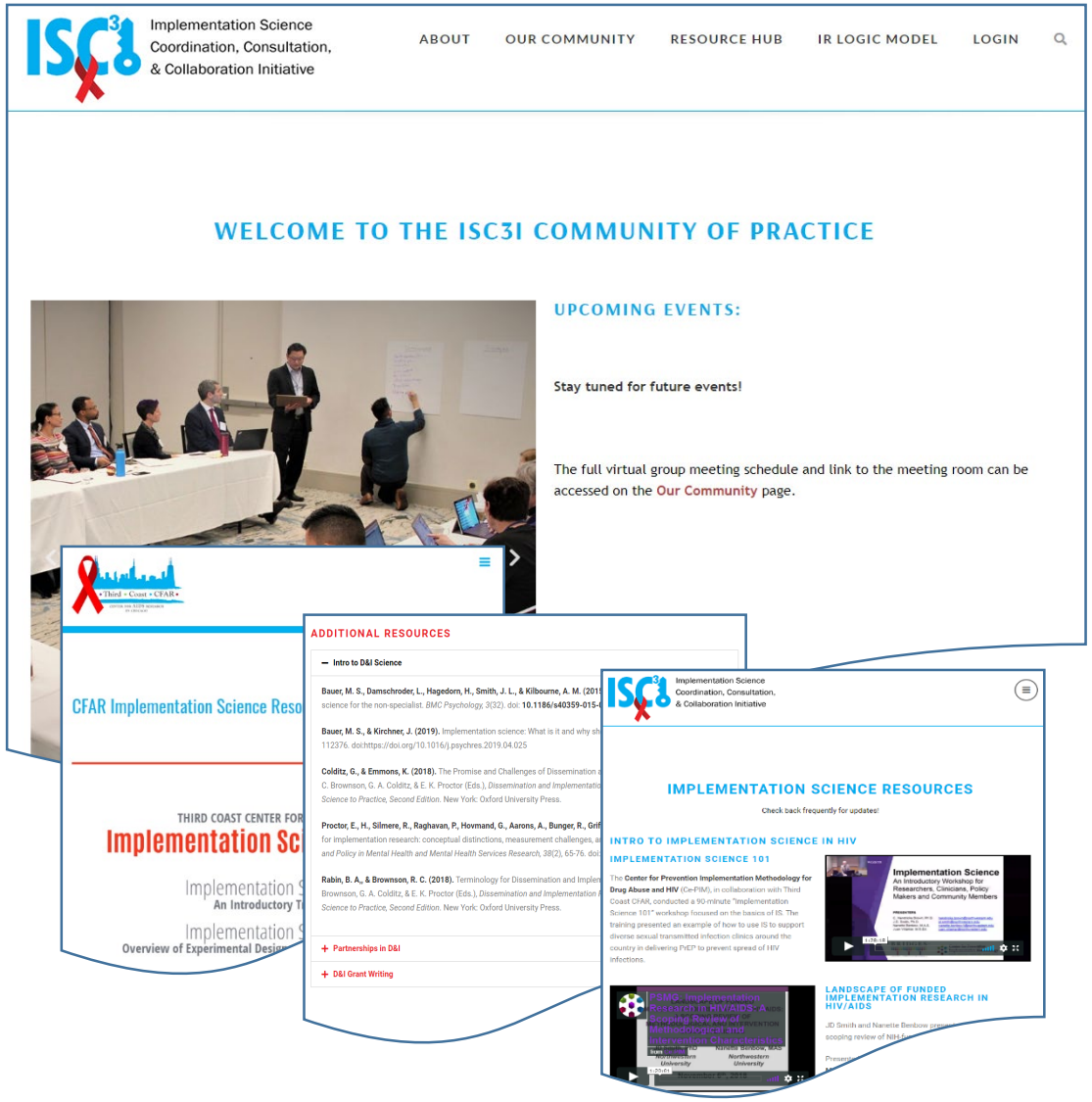
1. **Support high-quality implementation science** in funded *Ending the HIV Epidemic* projects by providing technical assistance from experts on IS designs, frameworks, strategies, measures, and outcomes.
2. **Create opportunities to develop generalizable knowledge from local knowledge** by encouraging the use of shared frameworks and harmonized measures, synthesizing data across projects, and encouraging cross-project collaboration.

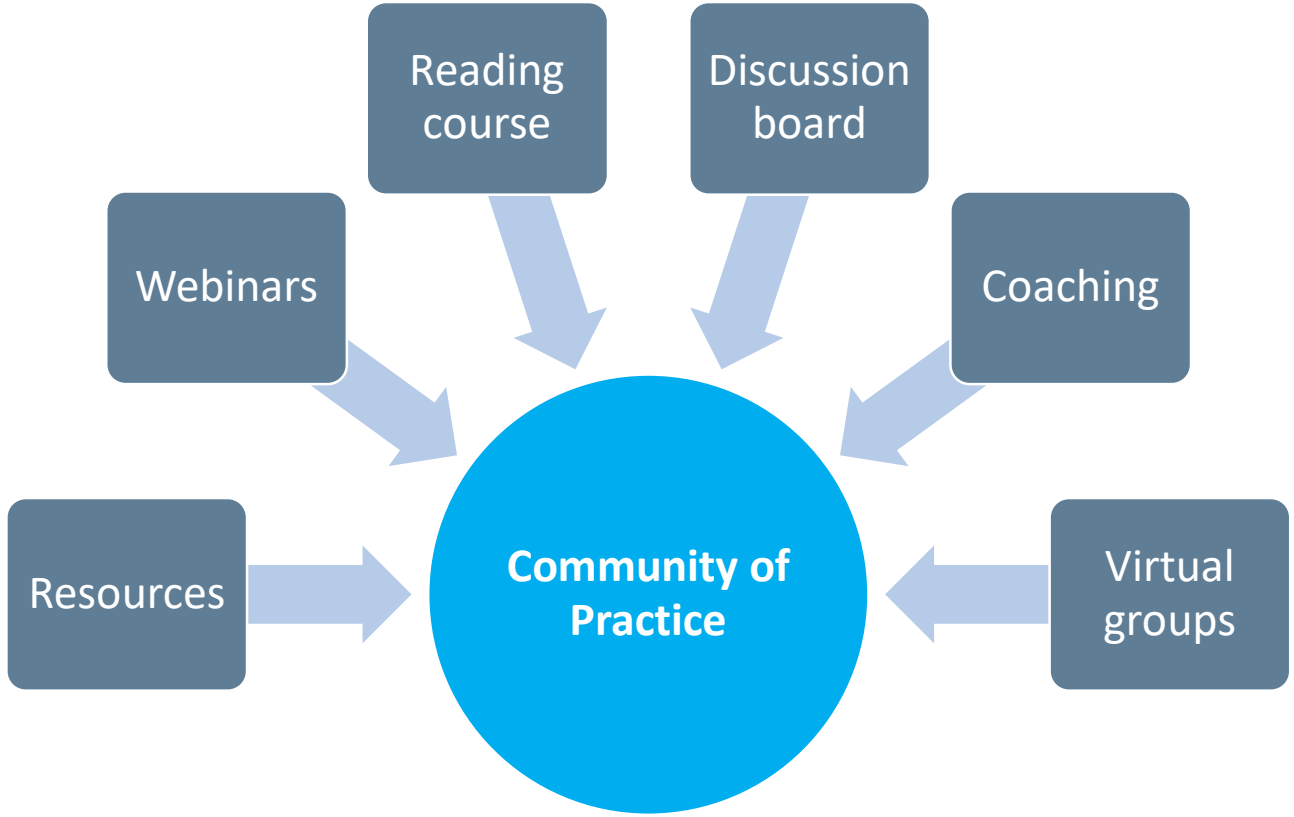
65 Planning Projects in EHE Year 1



ISC^{3}I Summit

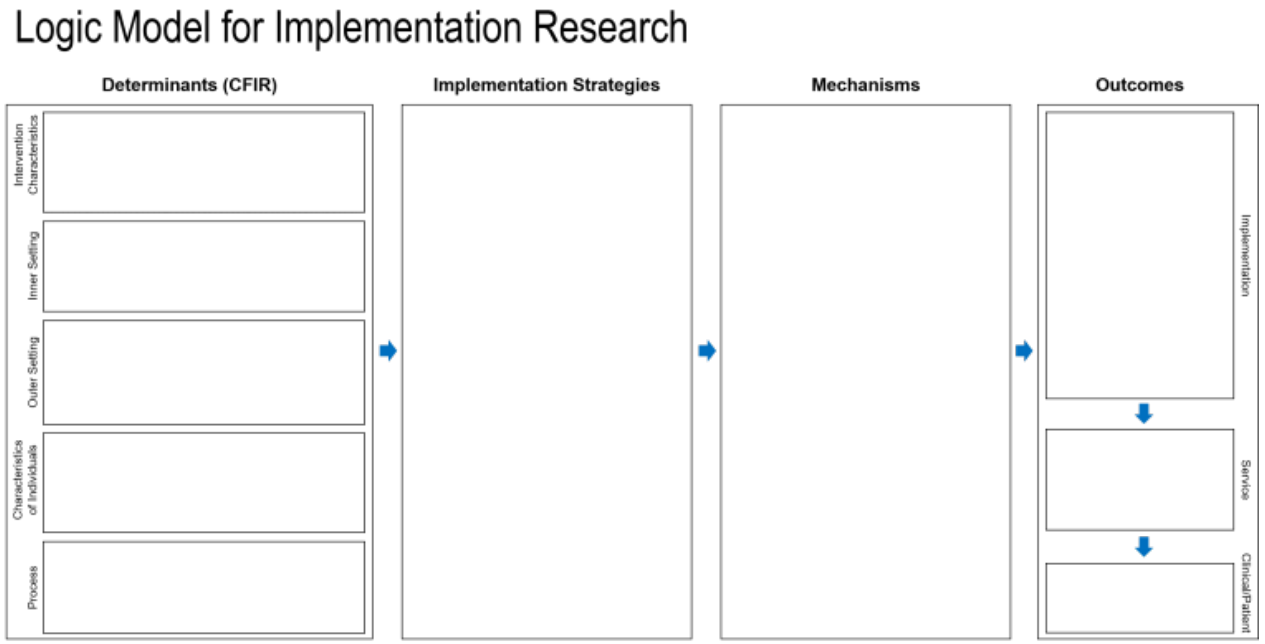
- Kickoff for both ISC^{3}I and EHE
- Two days in Chicago, IL
- 173 attendees, including
  - 63/65 projects
  - Federal partners from 6 agencies
- Objectives:
  - Introduce IS concepts and provide examples from HIV
  - Facilitate co-development of an implementation research logic model
  - Foster cross-project dialogue



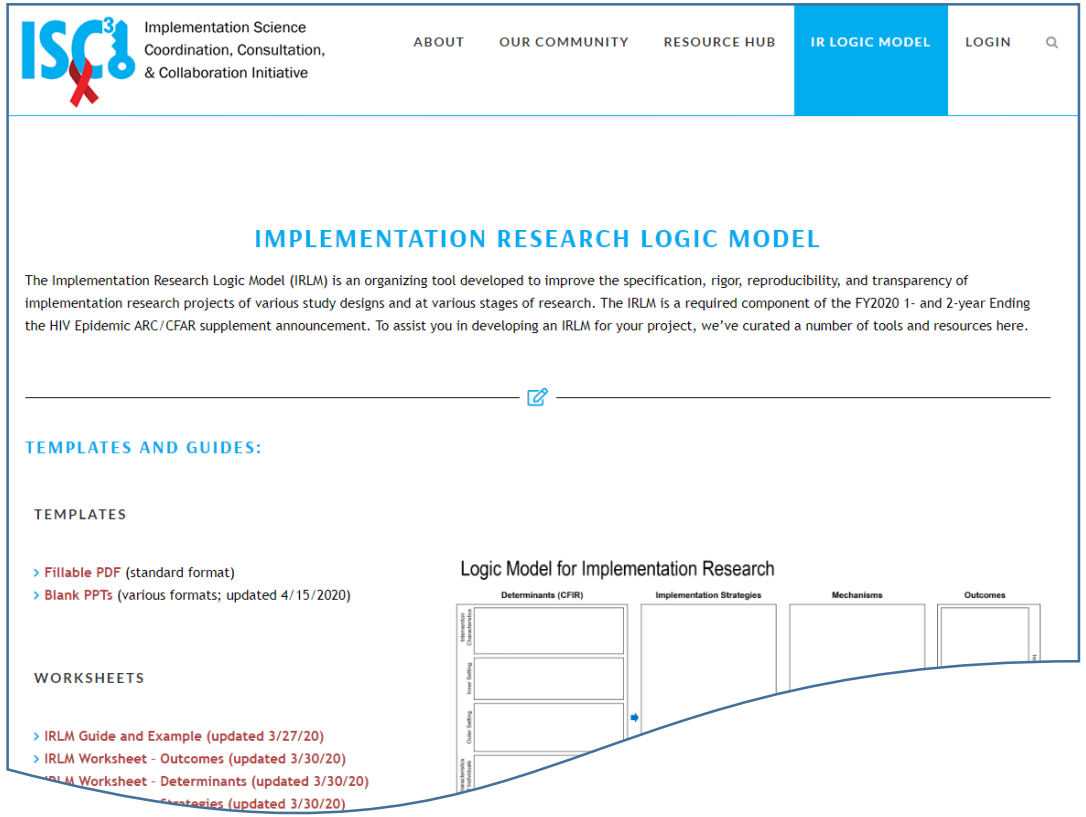


https://isc3i.isgmh.northwestern.edu/

Implementation Research Logic Model



Smith, Li, & Rafferty, 2020, https://doi.org/10.1101/2020.04.05.20054379
https://isc3i.isgmh.northwestern.edu/irlm/



Y1 Technical Assistance Metrics

Community of Practice	• 344 non-internal (i.e., not ISC^{3}I staff) users • 357 unique visits per month (in 8.5-month lifespan)

Coaching	• 7 coaches – 3 internal, 4 external
	• 34 sessions with 25 project teams
	• Most covered topics:
	  • implementation research logic model (79% of sessions)
	  • study designs (71% of sessions)
	  • implementation strategies (68% of sessions)
	• 95% rated “very helpful” (5) on a 5-point scale

Webinars	• 5 webinars:
	  • academic–community partnerships
	  • federally qualified health centers
	  • implementation research logic model
	  • study designs
	  • implementation strategies
	• Live attendance = 16–70 participants

Virtual Groups	• 6 groups of 11–12 projects x 4 sessions per group • 87 unique participants (average attendance = 7) • 47 projects participated in at least one meeting

Year 2 Context

- Fewer, more diversified projects
  - **12** 2-year projects (selected from Year 1 cohort)
  - **22** 1-year projects: **7** targeting cisgender, heterosexual women for PrEP; **6** for data-driven communication strategies; **9** team-initiated IR
  - **14** researchers new to ISC3I; **20** participated last year
  - All have IRLMs in hand at launch (developing was big focus of year 1)
- New structure
  - **1** national coordinating center (ISC^{3}I) and **5** regional hubs
  - Opportunity for more in-depth and specialized consultation
- ISC^{3}I able to shift to greater focus on coordination
  - Harmonization of measures and creation of decision-making tools
  - Identification of best practices
  - Training and support for IS tailored to implementation partners

Implementation Science Consultation Hubs

Mid-Atlantic CFAR Consortium Plus
Directors: Sheree Schwartz and Stefan Baral

Rigorous, Rapid & Relevant Evidence aDaptation and Implementation to EHE
Director: Donna Spiegelman

San Diego IS Hub
Directors: Borsika Rabin and Nicole Stadnick

UAB CFAR EHE IS Hub
Directors: Michael Mugavero and Robin Lanzi

UCLA Rapid, Relevant and Rigorous (3R) IS Hub
Director: Alison Hamilton

Activities for Year 2

ISC3I

- Coordinate Data Collection/Progress Reporting
- Maintain Online Community of Practice and Biweekly Newsletter
- Host national HIV IS Webinar Series
- Conduct systematic Reviews to inform field and begin creating decision-support tools
  - Topics: Barriers/facilitators, Implementation strategies for HIV
- Criterion-based review of best practices
- Guest edit *JAIDS* supplement
- Host "Fishbowl" feedback groups by topic area
- Develop trainings in IS tailored to needs of implementation partners
- Provide ongoing coaching with year 1 projects
- Support executive committee

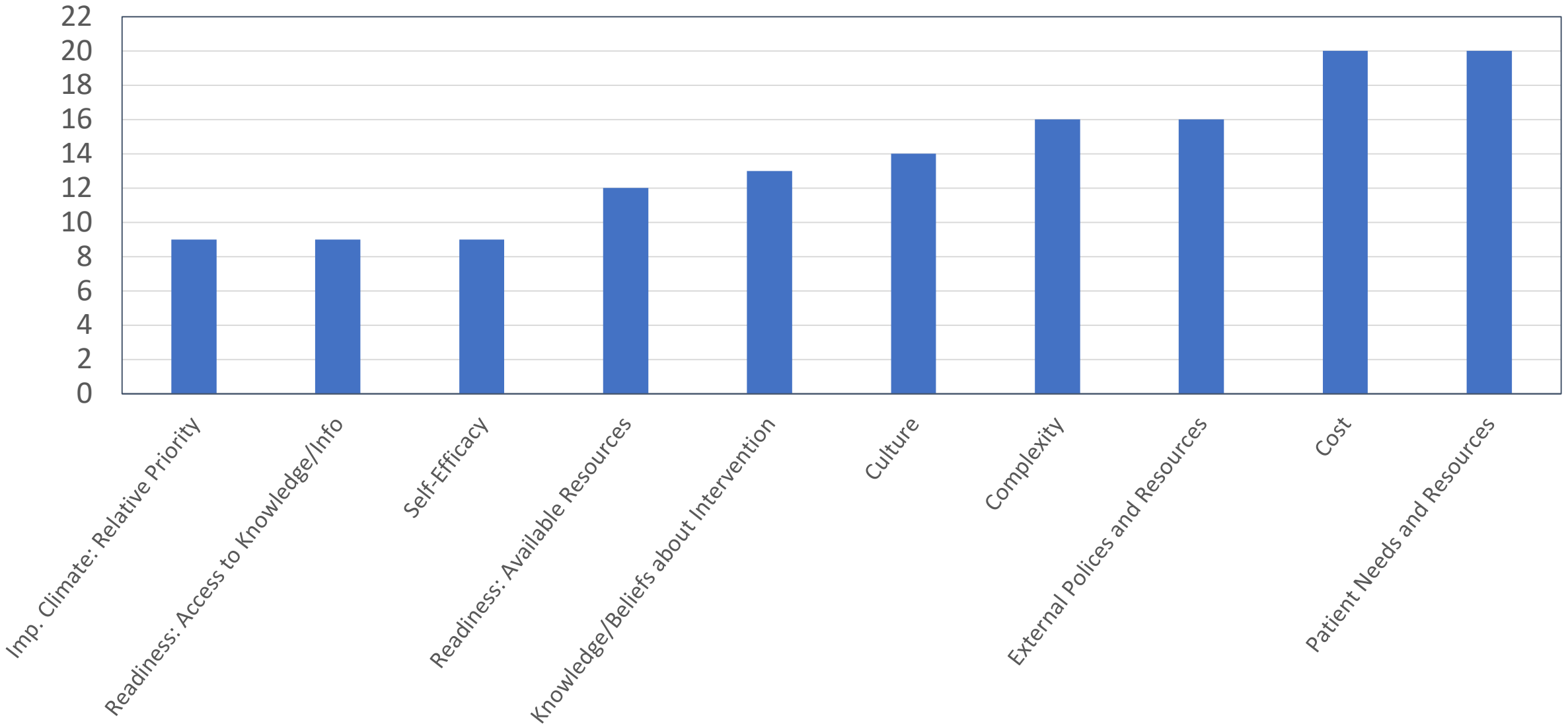
The Hubs

- Assigned 6-7 projects based on both project and hub preference
- Offer tailored consultations to projects throughout the year
- Assist projects with progress reporting and implementation of decision-support tools
- Host webinars and/or meetings with assigned projects
- Contribute to global planning through the ISC3I Executive Committee
- Contribute to creation and refinement of decision-support tools

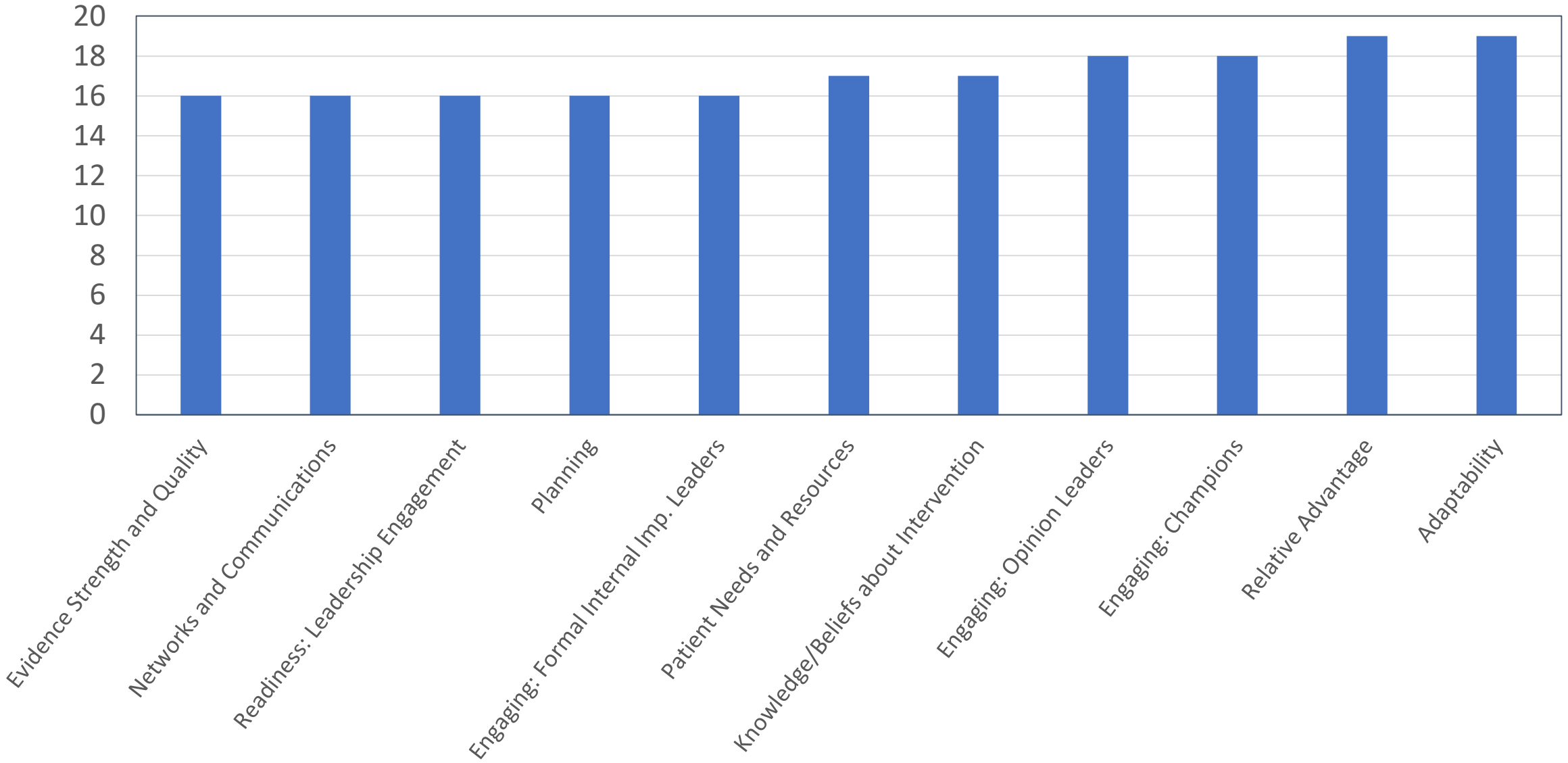
Findings from Year 1

- Many projects were in the exploration phase and focused on identifying barriers and facilitators
- Most awardees were HIV researchers, but few reported having formal implementation science training
- Impact of COVID-19
  - Delivery of technical assistance (already virtual) not impacted by COVID-19
  - Projects reported COVID-19 related delays, but most were able to achieve at least some of their aims
  - Activities delayed by COVID: Participant recruitment/enrollment and collaboration with implementation partners
- Project teams would have benefitted from thinking about outcomes (where they are going) and/or strategies (what they are testing) early on
- Preliminary analysis suggests that engagement with ISC3I activities was associated with a greater chance of getting funded in Year 2
- Developed many resources for the Community of Practice and are available publically in the "Resource Hub" - https://isc3i.isgmh.northwestern.edu/resource-hub/

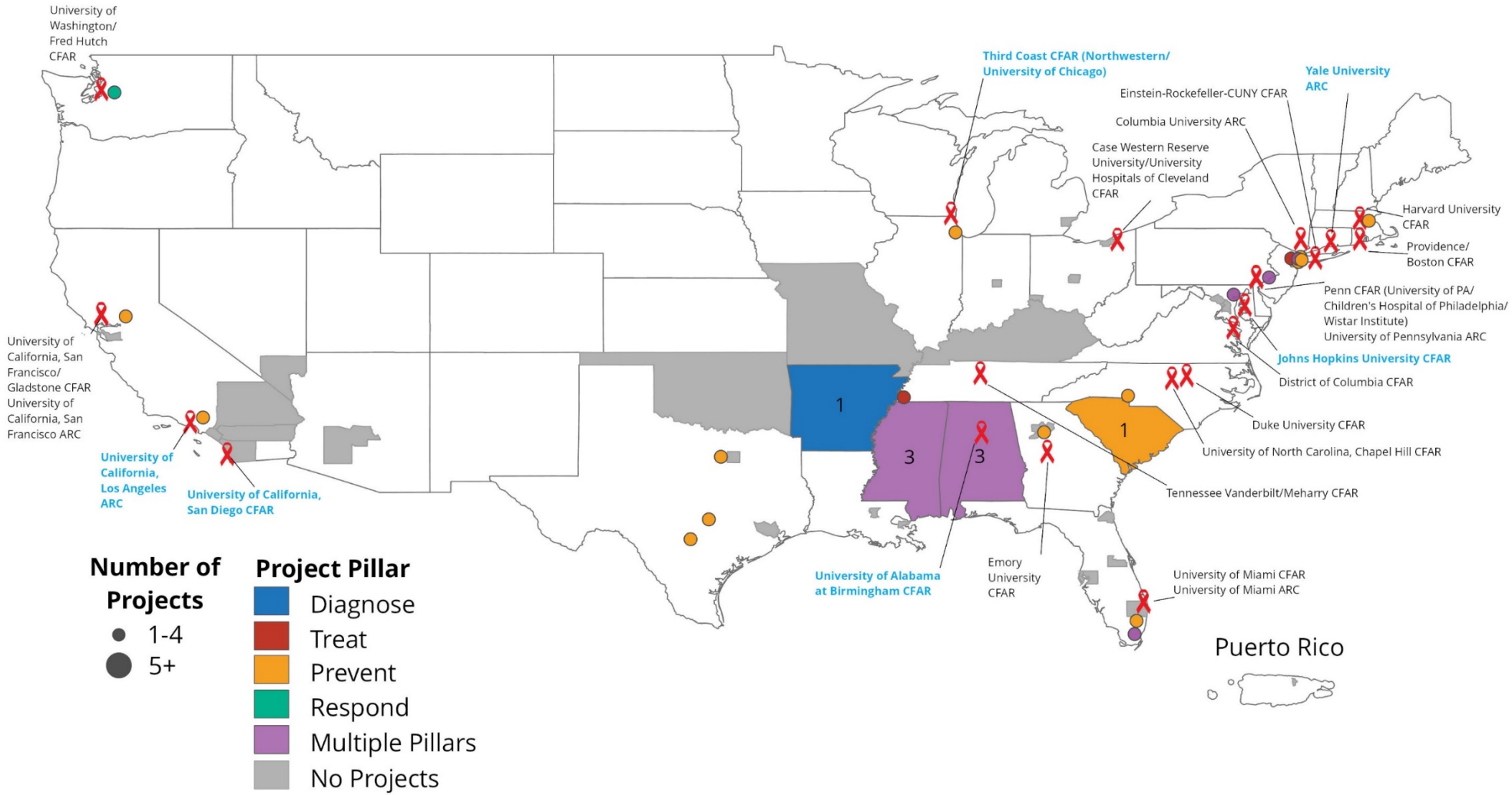
Most Common Barriers Identified in Y1 projects (n=45)



Most Common Facilitators Identified in Y1 (n=45)



Year 2 Ending the HIV Epidemic CFAR/ARC Projects (N=34)



*CFARs/ARCs with an affiliated IS Hub are marked with blue text

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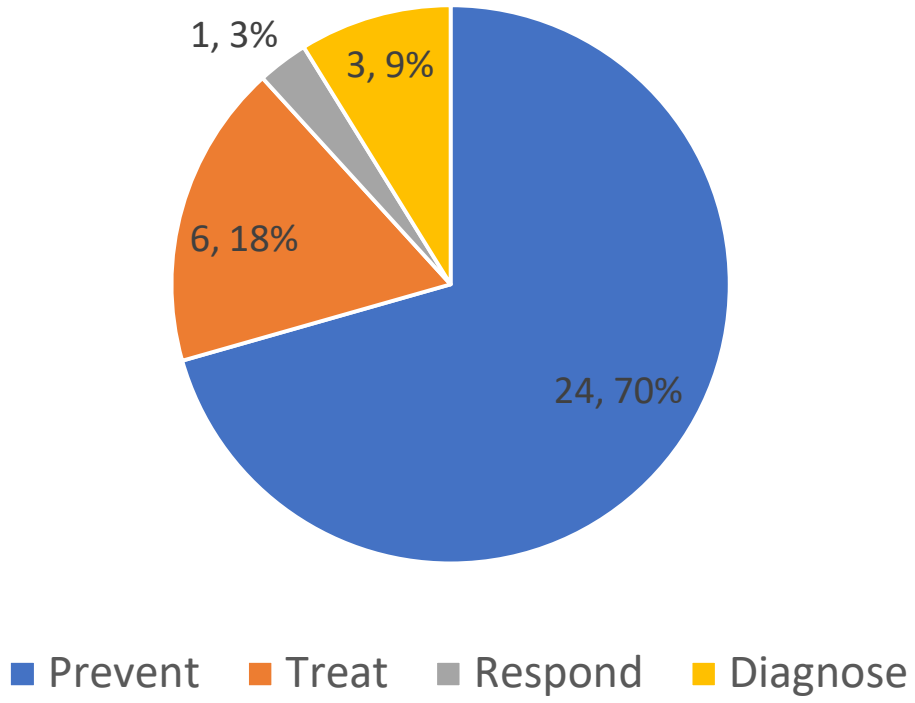
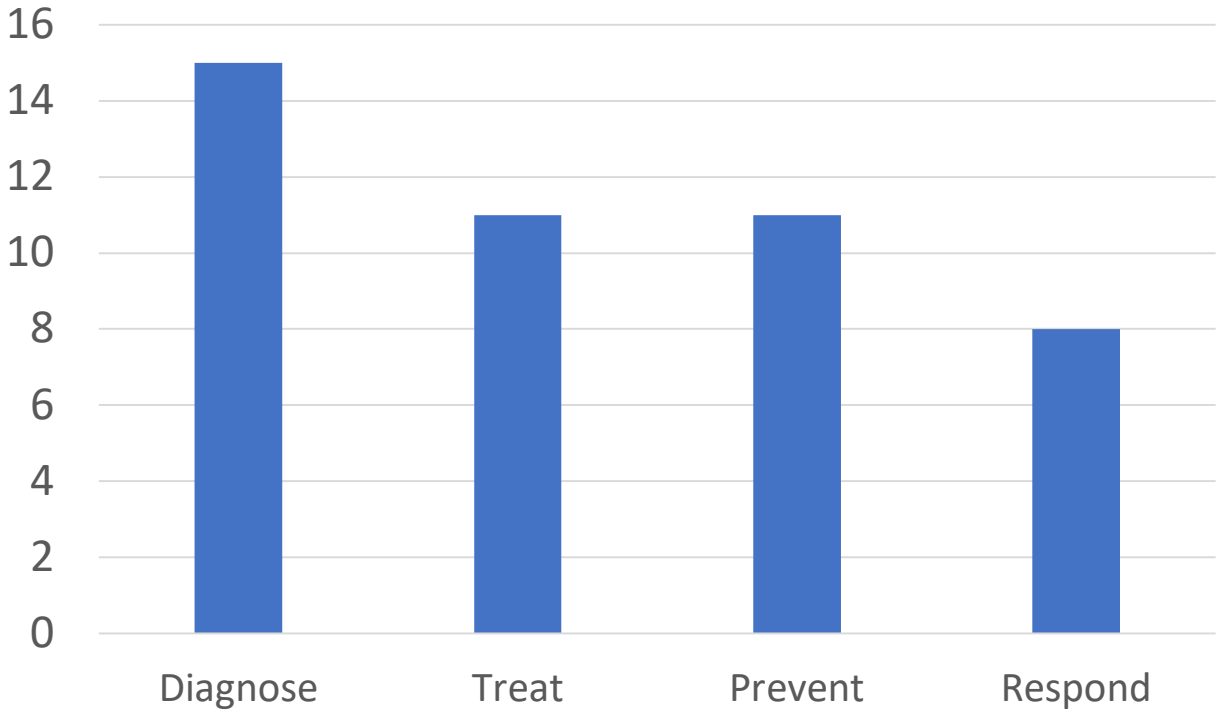
Pillars* Addressed by Ending the HIV Epidemic CFAR/ARC Planning Projects

Which of the EHE pillars does your supplement project primarily address?



Which other EHE pillars does your supplement project secondarily address?



*Planning projects might have selected more than one pillar focus

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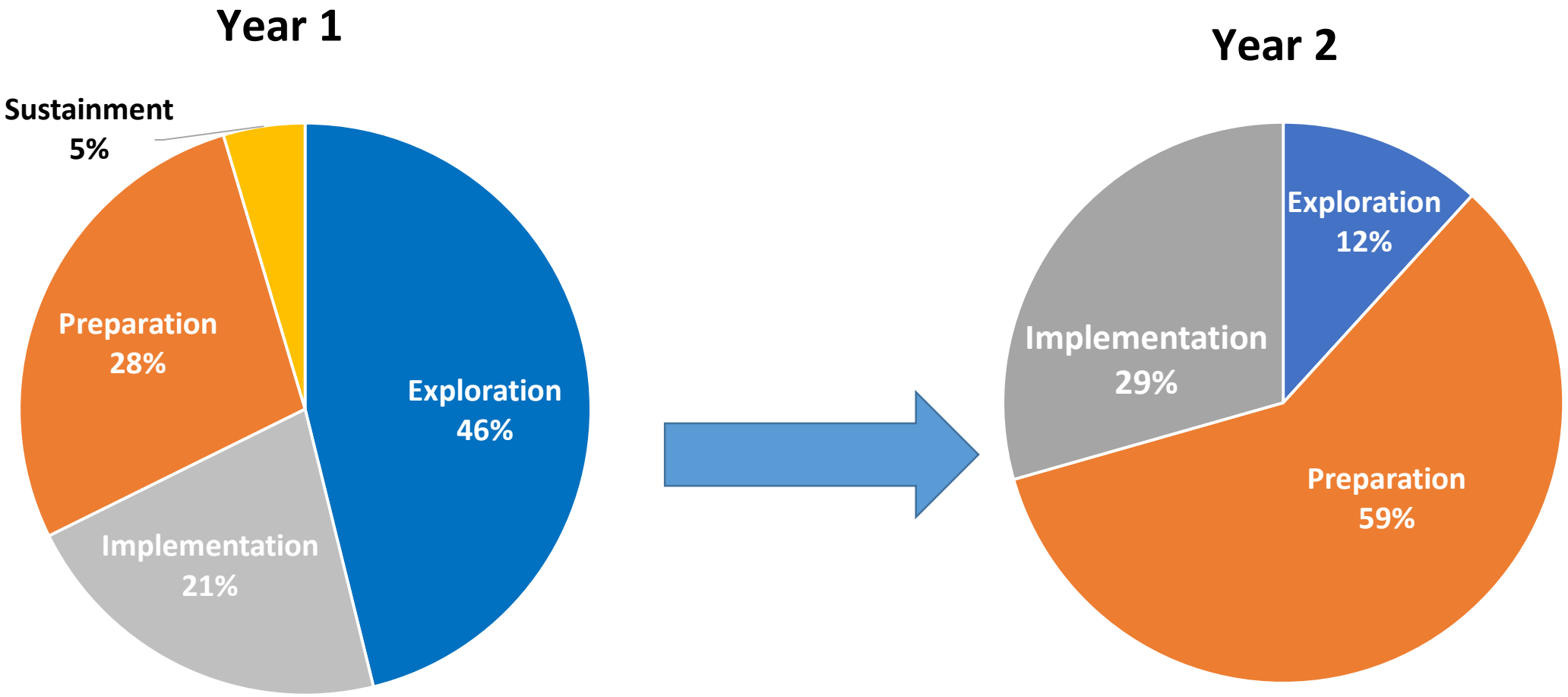
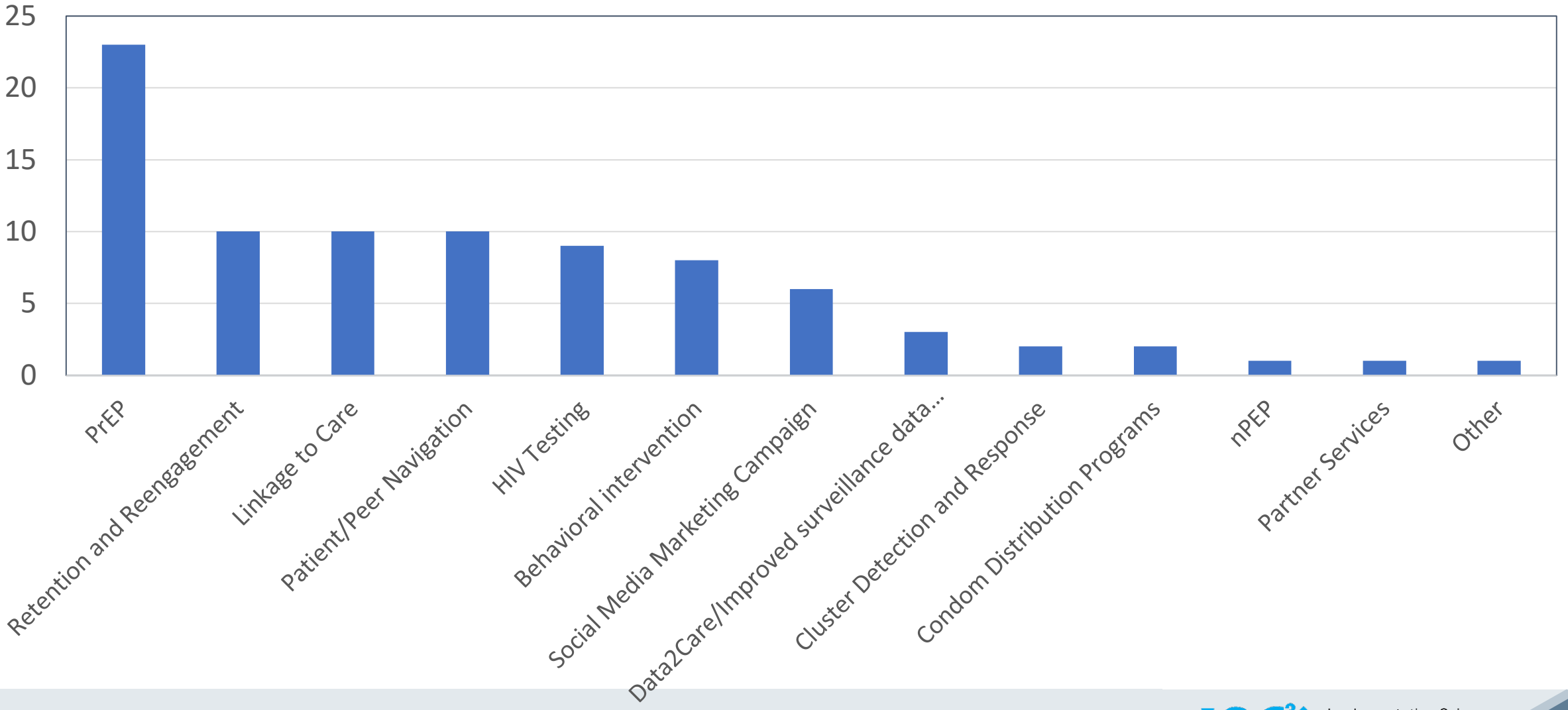
What stage of implementation (as defined by EPIS model) is the intervention?

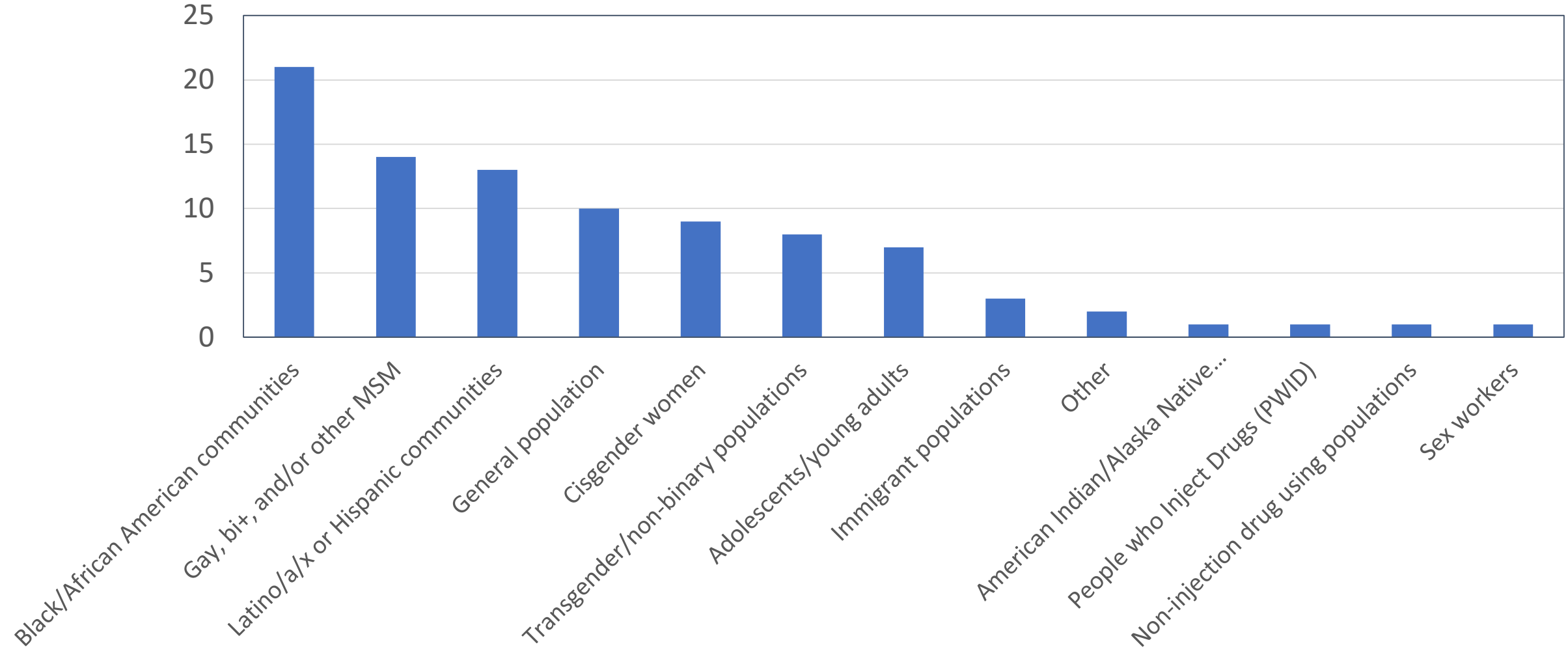


What is (are) the clinical or prevention intervention(s) (i.e., program, pill, practice)that you are trying to implement in your EHE supplement?



What type of organization is (are) your implementation partners(s)?

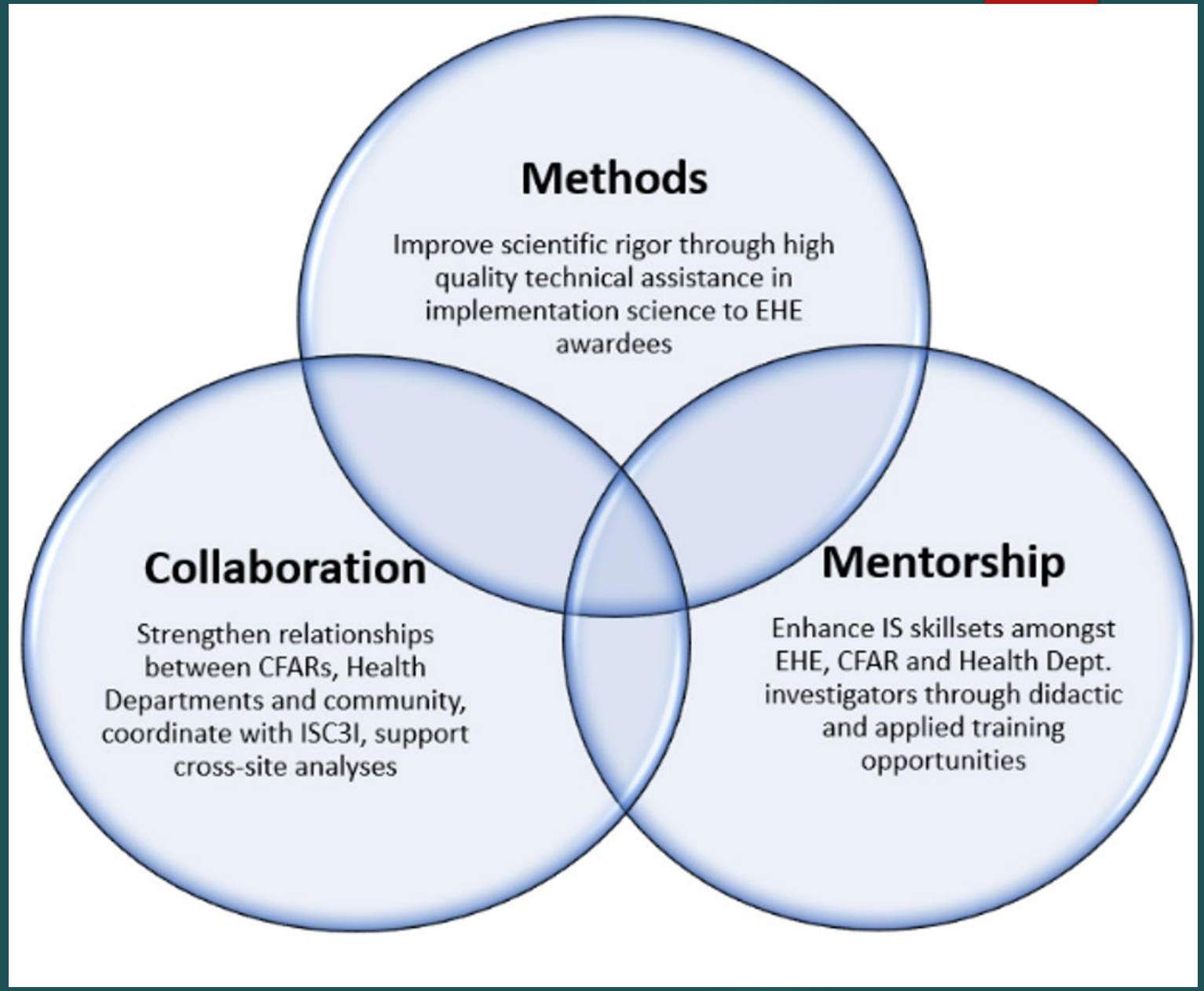
Does your EHE supplement specifically target any of the following HIV priority populations?



Mid-Atlantic CFAR Consortium Plus (MACC+) IS Hub

- **Johns Hopkins University CFAR Investigators**
  - Co-Project Directors – Schwartz & Baral
  - Co-Is – Hoffmann, Beres, Hansoti, Owczarzak
- **Collaborating CFARs – DC CFAR, Penn**
- **Center for Dissemination & Implementation** (Elvin Geng)
- Patrick Sullivan (Emory)
- Inter-CFAR Fellowship Alumni

MACC+ Hub Approach

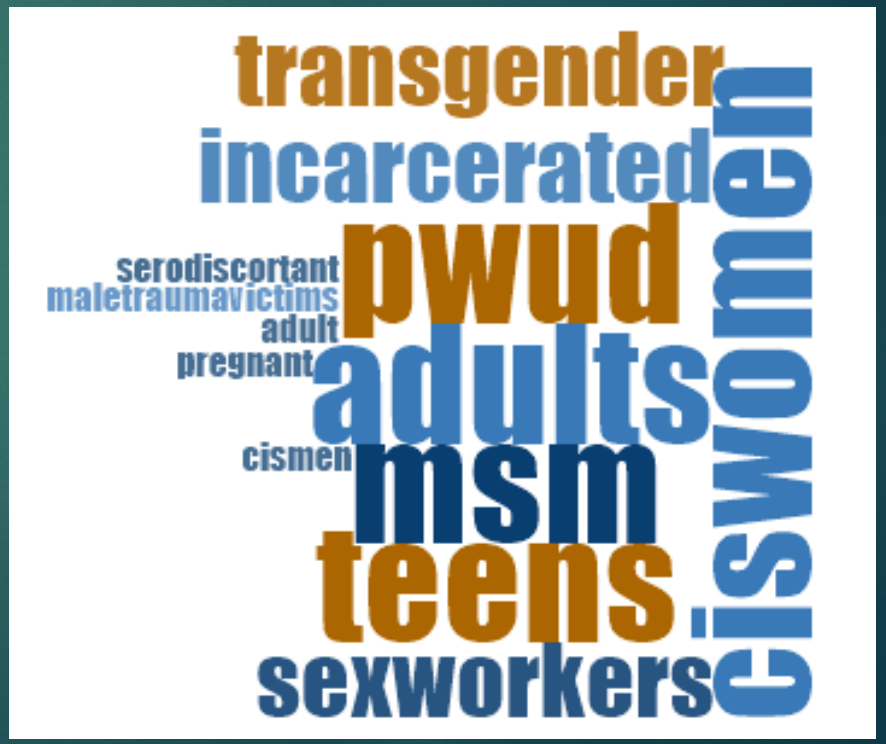


EXPERTISE

Designs

Frameworks

Populations



Our services

- Coaching related to your project
- Review and feedback of tools, frameworks and questions pertaining to ongoing grants
- Support for new grant development
- Support for coordination of outcomes & cross-site knowledge generation
- Didactic and/or applied case study webinars, discussion of new or underutilized IS methods and frameworks

Consultations can be booked online via Acuity
https://app.acuityscheduling.com/schedule.php?owner=21260576

R3EDI - Rigorous, Rapid, & Relevant Evidence aDaptation & Implementation to EHE

cira
Center for Interdisciplinary Research on AIDS

Yale SCHOOL OF PUBLIC HEALTH

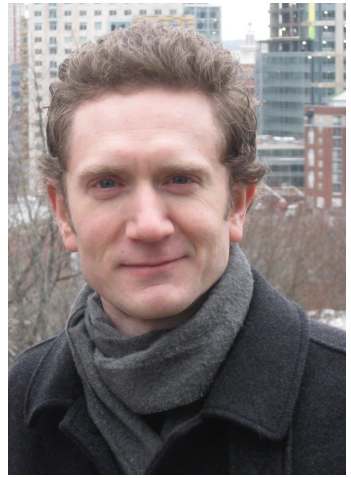
Core team

Project Director Donna Spiegelman, ScD*

Implementation Science analyst: Raul Hernandez-Ramirez

Quantitative analyst: Debbie Humphries

Qualitative analyst: Christine Simon



Program Administrator: William Tootle

*Director of CIRA's Interdisciplinary Research Methods Core; Director of the Center for Methods in Implementation and Prevention Science (CMIPS)

Additional R3EDI Team Members

cira
Center for Interdisciplinary Research on AIDS

Yale SCHOOL OF PUBLIC HEALTH

Co-investigators- Yale Faculty and Affiliates:

Former CIRA PI Paul Cleary, PhD

CIRA PI Trace Kershaw, PhD

Dean Sten Vermund, MD, PhD

Steve Bernstein, MD

Luke Davis, MD, MS

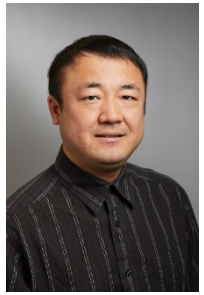
Laure Forastiere, PhD

Ashley Hagaman, PhD

Fan Li, PhD

Marcella Nunez-Smith, MD, MHS

Elizabeth Rhodes, PhD (Postdoc)


Xin Zhou, PhD

CIRA Daniel Davidson

- **Consultants:**

Brian Mittman, PhD (Kaiser Permanente)

Inbal Nahum-Shani, PhD (University of Michigan)

Rachel Nugent, PhD (RTI International)

R3EDI - Rigorous, Rapid, & Relevant Evidence aDaptation & Implementation to EHE

cira
Center for Interdisciplinary Research on AIDS
Yale SCHOOL OF PUBLIC HEALTH

- Aims/plans

Provide technical assistance, coaching, training, and consultative services to EHE project teams and collaborate with the EHE coordinating center, creating opportunities to generate generalizable knowledge. *Hands-on technical assistance is available and welcomed.*

- Areas of expertise
  - IS methods, frameworks, strategies, measures and outcomes in HIV/AIDS research
  - Design and management of experimental and observational studies
  - Quantitative, qualitative, and mixed-methods analytic approaches for sampling and data collection and analysis; and economic analysis
  - Partnership formation and community-based participatory research
- Potential contributions to EHE and/or IS

Publications advancing methodological areas as well as highlighting common gaps/challenges of served EHE projects, with recommendations for addressing them; new grants to assess scale-up, sustainability, and adaptation to new contexts

SD CFAR IS HUB

ISC^{3}I Executive Committee Meeting
September 9, 2020

UC San Diego
School of Medicine

CFAR
SAN DIEGO | CENTER FOR AIDS RESEARCH

Team Introductions

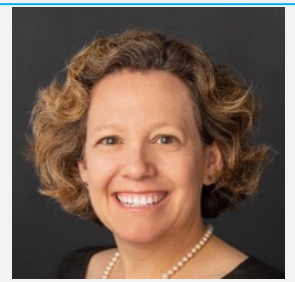
IS Coaches

Borsika Rabin, PhD, MPH, PharmD
Project Director, Senior IS Coach, ISC^{3}I EC Rep

Nicole Stadnick, PhD, MPH
Project Director, Senior IS Coach, ISC^{3}I EC Rep

Gregory Aarons, PhD
Senior IS Coach

Lauren Brookman-Frazee, PhD
Senior IS Coach



Jessica Montoya, PhD
Assistant IS Coach

Clare Viglione, MPH, RD
Hub Manager, Shared Measures Manager, Assistant IS Coach

HIV Coaches

Maile Karris, MD, MPH
HIV Science Coach

Laramie Smith, PhD
HIV Science Coach

Yordanos Tesfai
Assistant Hub Coordinator, Assistant Shared Measures Manager

IS+HIV Consultants

Cathleen Willging, PhD
Expert IS Consultant

Sylvie Naar, PhD
Expert IS Consultant

Patient Care ▾ Education & Training ▾ Research ▾ Giving ▾ About Us ▾

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rch Institute

Dissemination and Implementation Science Center

DISC COMMUNITY | RESEARCH ADVANCEMENT | TRAINING & EDUCATION | CONSULTATION | BEC A DISC M

disc.ucsd.edu

vities

vancement

olications, grants, and opportunities
and career advancement.

News & Events

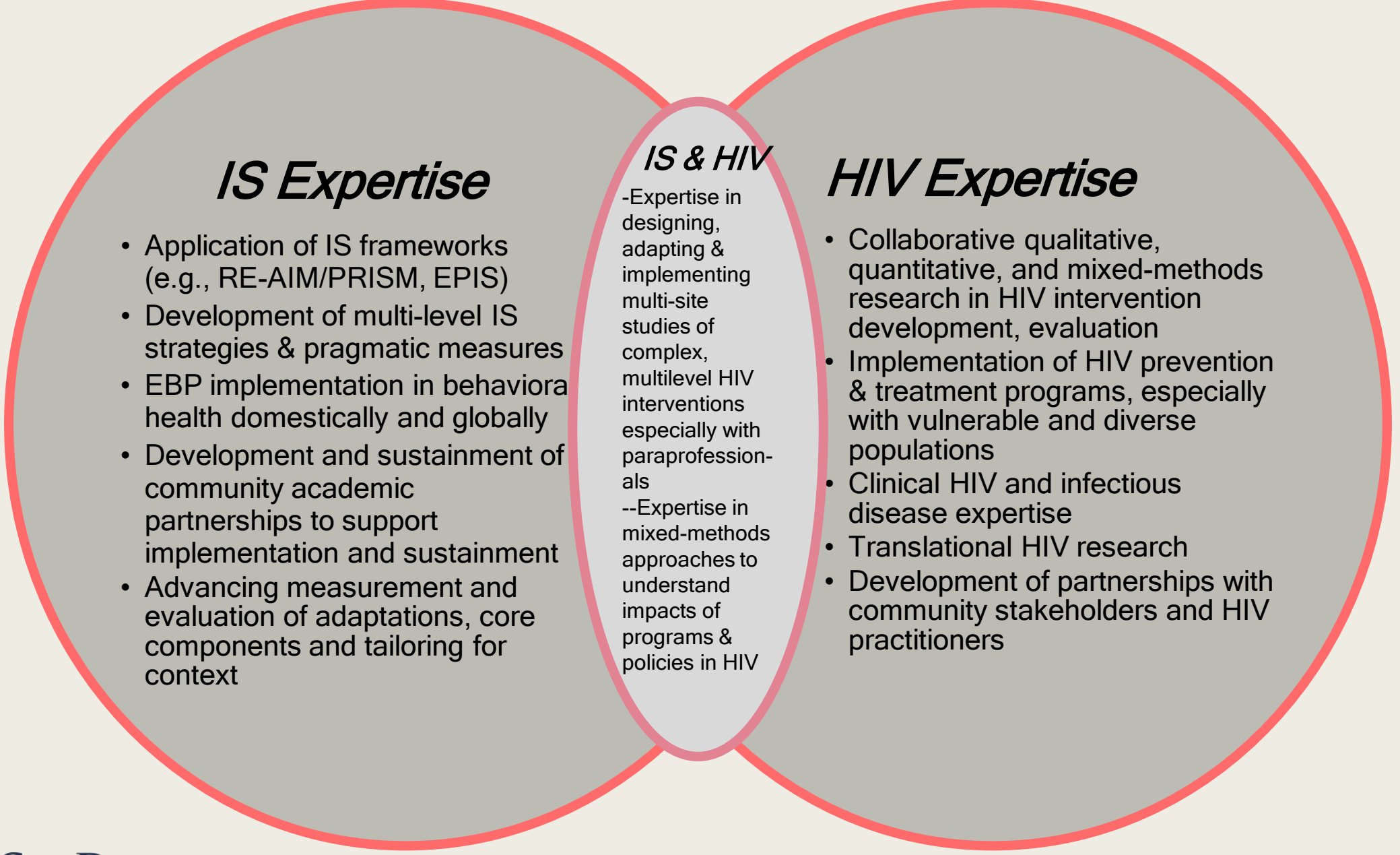
Job Announcements:

Applications are invited for a **Postdoctoral Fellowship** position in implementation science with

CFAR SAN DIEGO | CENTER FOR AIDS RESEARCH

Who We Are ▾ Core Services ▾ Meetings ▾

cfar.ucsd.edu



UC San Diego
School of Medicine

CFAR
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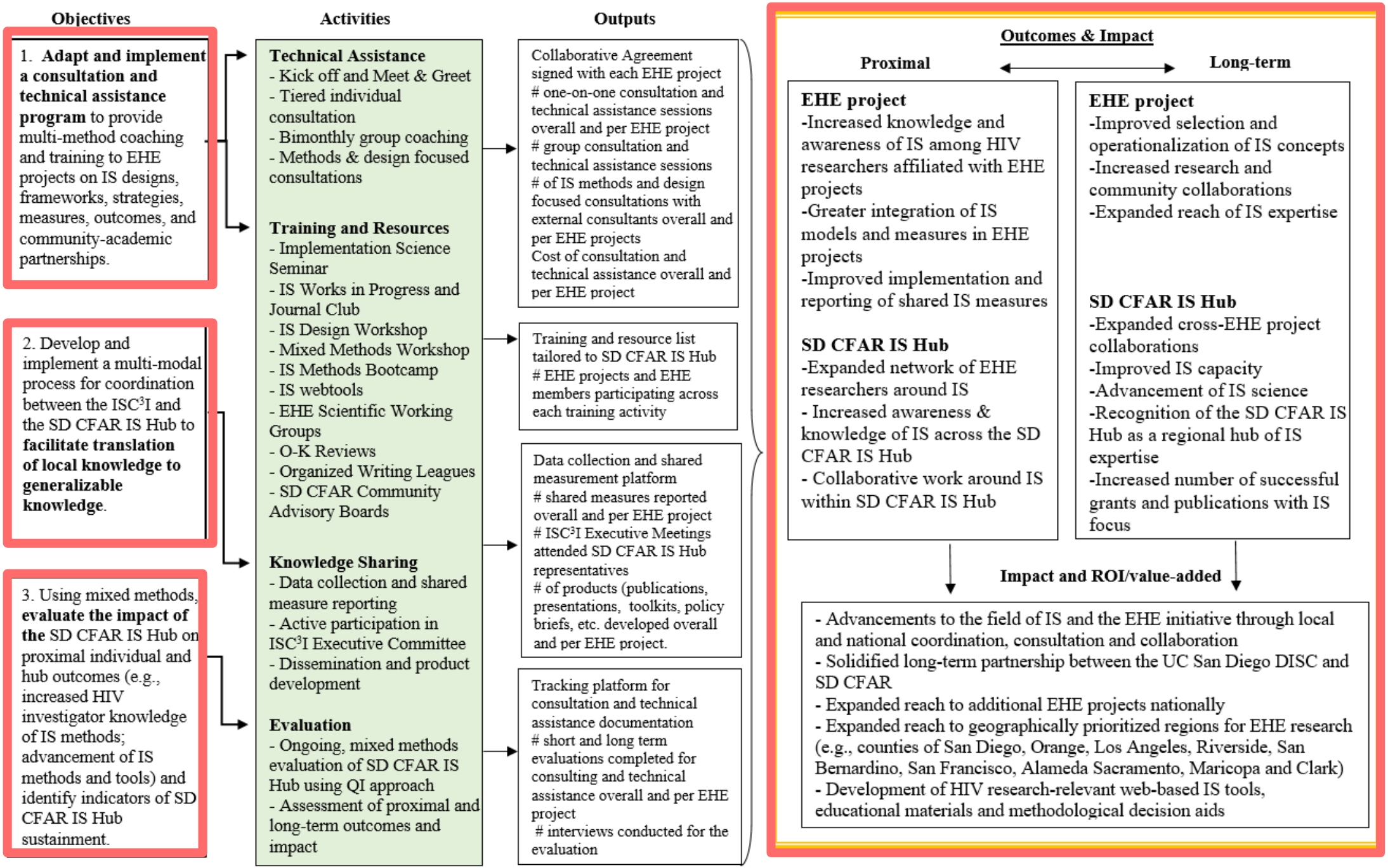
SD CFAR IS Consultation Hub Logic Model



UAB CFAR Implementation Science Hub

Michael Mugavero, MD, MHSc (MPI)
SOM
UAB CFAR Co-Director & Clinical Core Director

Alfredo Guzman, MEng
SOM
Database & Informatics Director

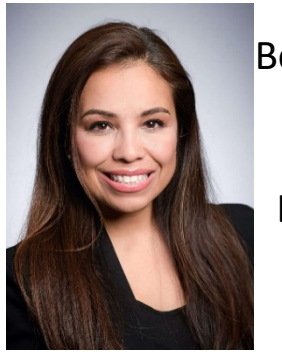
Tom Creger, PhD
Program Evaluation

Robin Lanzi, PhD, MPH (MPI)
SOPH
UAB CFAR Behavioral & Community Sciences Core Co-Director

Dustin Long, PhD
SOPH
UAB CFAR Clinical Core Co-Director: Biostatistics

Kaylee Burgan, MA
Program Evaluation

Aadia Rana, MD
SOM
UAB CFAR Ending HIV in Alabama SWG Co-Director



Bertha Hidalgo, PhD
SOPH
&
Larry Hearld, PhD
SHP
D&I Science

Claire Estep, MA
Qualitative & Mixed Methods Research

Greer Burkholder, MD, MSPH
SOM
UAB CFAR Clinical Core Co-Director: Database & Informatics

Edward Jackson
&
Kalani Upshaw
Community Engagement

Samantha Whitfield, MPH
Project Coordinator

UAB CFAR Implementation Science Hub

- Interface with Inter-CFAR working groups
  - HIV in the South, Faith & Spirituality & CNICS
- Multi-site coaching, consultation, collaboration with RW HIV Clinics
  - Client-level data collation and evaluation of care continuum outcomes
- Multi-site collaboration with public health / eHARS data
  - Road to Zero R01 (Rana PI)
- Community engaged science and partnership formation
  - Local, statewide, regional and national networks
- Program evaluation and IS frameworks, measures & methods
  - Support for awardees with specific teams assigned based on areas of need, content, and expertise

UAB CFAR CENTER FOR AIDS RESEARCH

Next Steps

- Establish consulting team for each project
  - Team of 3 – 4 UAB Hub members for each grantee
- Quarterly all-site meetings
  - February, May, August
- Coordination with ISC^{3}I and other grantees
  - Shared measures, group consultation(s) to streamline resources
- Shared folder for grantee aims and other supplemental materials
  - OneDrive or SharePoint

UCLA Rapid, Rigorous, Relevant (3R) Implementation Science Hub Overview

CFAR Webinar
January 25, 2021

CHIPTS
Center for HIV Identification, Prevention and Treatment Services

The UCLA 3R Hub Team

- CHIPTS/ARC PI: Steve Shoptaw, PhD
- Hub PI: Alison Hamilton, PhD, MPH
- Hub Co-Is: Norweeta Milburn, PhD, Chunqing Lin, PhD, Sung-Jae Lee, PhD
- Hub Consultants: Ana Baumann, PhD, Matthew Chinman, PhD, Geoff Curran, PhD, Erin Finley, PhD, Russ Glasgow, PhD
- Hub Project Directors: Elena Rosenberg-Carlson, MPH, & Uyen Kao, MPH

CHIPTS
Center for HIV Identification, Prevention and Treatment Services

UCLA 3R Awardees

Project Director, Site	Project
Ronald Brooks, UCLA CHIPTS	Telehealth to optimize PrEP care continuum outcomes among cisgender Black and Latina heterosexual women
Larry Brown, Providence/Boston CFAR	Exploring PrEP implementation strategies tailored for African American cisgender women living in Mississippi
Susanne Doblecki-Lewis, Miami CFAR	Adaptation of the mobile PrEP implementation strategy for equitable scale-out
Latesha Elopre, UAB CFAR	PrOTEC AL: PrEP optimization through enhanced continuum tracking
Roxanne Kerani, UW CFAR	Data driven messaging to increase engagement in molecular cluster investigations
Kim Koester, UCSF CAPS	Connecting resources for rural and urban sexual health: CRRUSH-Sacramento
Bisola Ojikutu, Harvard CFAR	Addressing unmet PrEP needs among diverse Black women

CHIPTS
Center for HIV Identification, Prevention and Treatment Services

UCLA 3R Hub Aims

- Provide implementation science training and ongoing coaching and technical assistance to EHE grantees, with a focus on cutting-edge 3R methods, strategies, models, theories, and frameworks
- Accelerate HIV research impacts by interfacing with and contributing to the EHE Coordinating Center and identifying resources and opportunities for advancing evidence-based interventions through the implementation pipeline
- Provide and promote a platform for multidisciplinary collaborations in support of HIV-related implementation research

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UCLA 3R Hub Core Activities

For EHE awardees:

- Tailored, modular IS training
- Consultation, coaching, and technical assistance
- Expert roundtable feedback focused on aims, manuscript drafts
- Lecture series (Beachside Chats w/consultants)
- Resources and opportunities

Within the hub and across hubs:

- Evaluation
- Collaboration, e.g., with UCSD Hub
- Contributions to ISC^{3}I

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Center for HIV Identification, Prevention and Treatment Services

Thank You!

For more information, please contact :

ucla3rhub@mednet.ucla.edu

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Any questions?

1) Type your questions into the Q&A Box for the moderators to read.

2) Request to the Host to be unmuted.