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The Benefits and Opportunities for Clinics Outside of The Early Psychosis Intervention Network (EPINET) to Become Partners

March 25, 2021



CSS-SMI INITIATIVE



The Clinical Support System for Serious Mental Illness (CSS-SMI) is a Substance Abuse and Mental Health Services Administration (SAMHSA) funded initiative implemented by the American Psychiatric Association (APA).



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The American Psychiatric Association (APA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

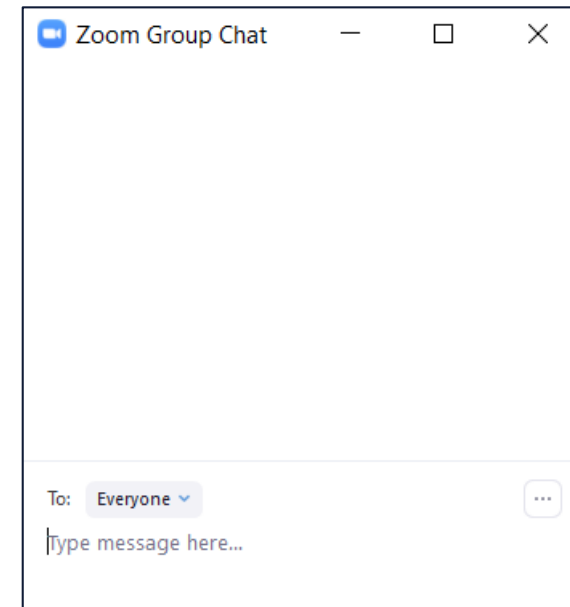
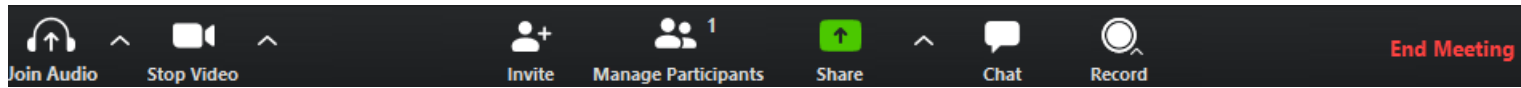
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Psychologists

The American Psychiatric Association is approved by the American Psychological Association to sponsor continuing education for psychologists. The American Psychiatric Association maintains responsibility for this program and its content.

PRESENTATION Q&A

- To ask a question during the presentation, you may use the chat function on the control panel





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DISCLOSURE



There are no relationships or conflicts of interest related to the subject matter of this presentation.

LEARNING OBJECTIVES

- Describe the development and value of the EPINET Core Assessment Battery (CAB) for quality improvement and research for individuals with early psychosis.
- Demonstrate how the use of the CAB among EPINET Hubs, clinics, and the National Data Coordinating Center may be able to accelerate knowledge about early psychosis treatment and care.
- Describe how non-EPINET clinics can contribute CAB data to the EPINET database and benefit from being part of EPINET using the web-based CAB data collection tool.



EARLY PSYCHOSIS

Psychosis is a condition where a person loses contact with reality and may experience paranoia, delusions or hallucinations. It often begins in late teens to mid-20s.

Each year about 100,000 adolescents and young adults experience early psychosis (a.k.a., first episode psychosis).

Early treatment increases the chance of successful recovery.



COORDINATED SPECIALTY CARE (CSC)*

An effective team-based intervention for early psychosis that combines various well-established evidence-based services such as:



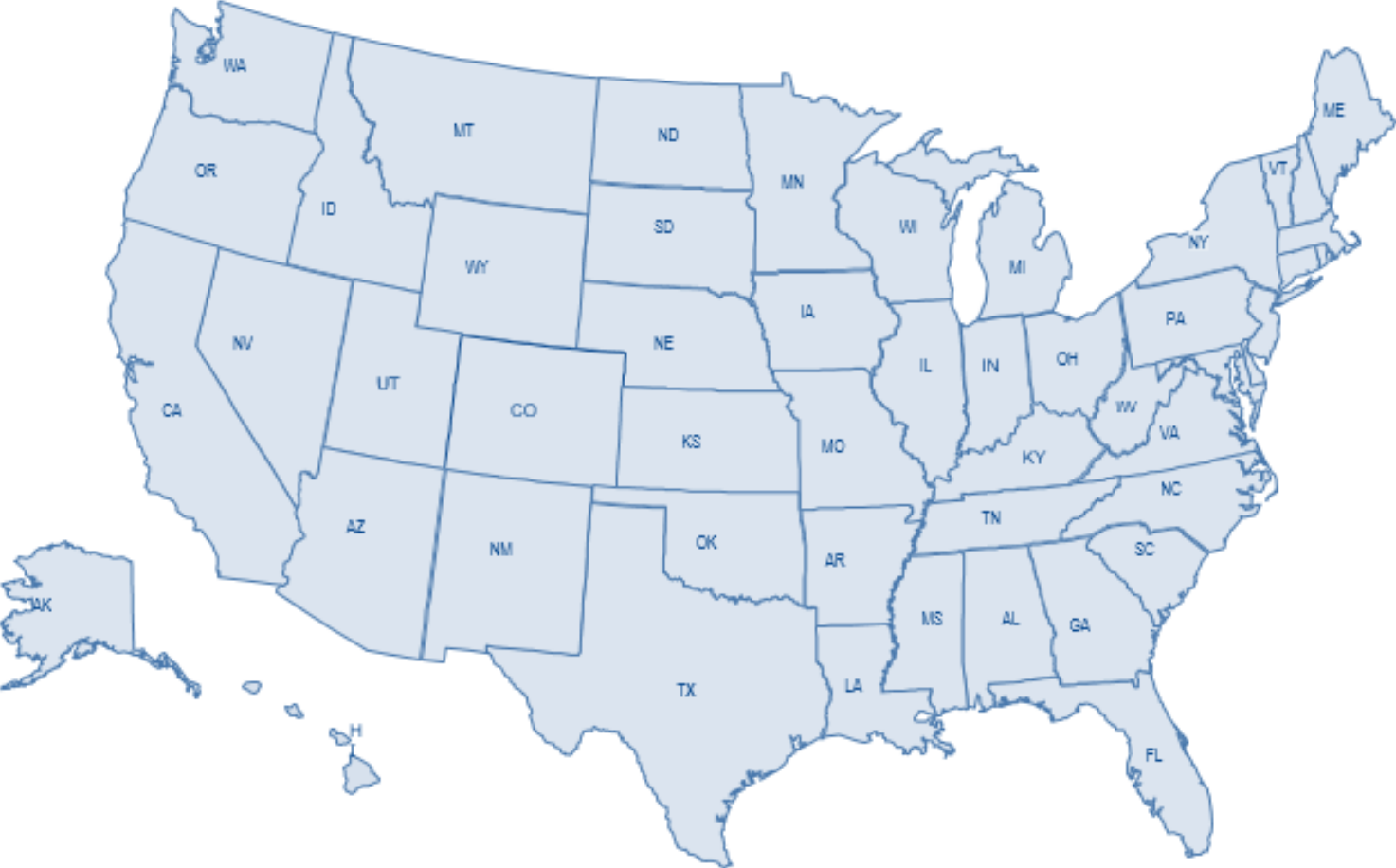
- assertive case management
- individual or group psychotherapy
- supported employment and education services
- family education and support
- pharmacotherapy

These services are closely coordinated with primary health care.

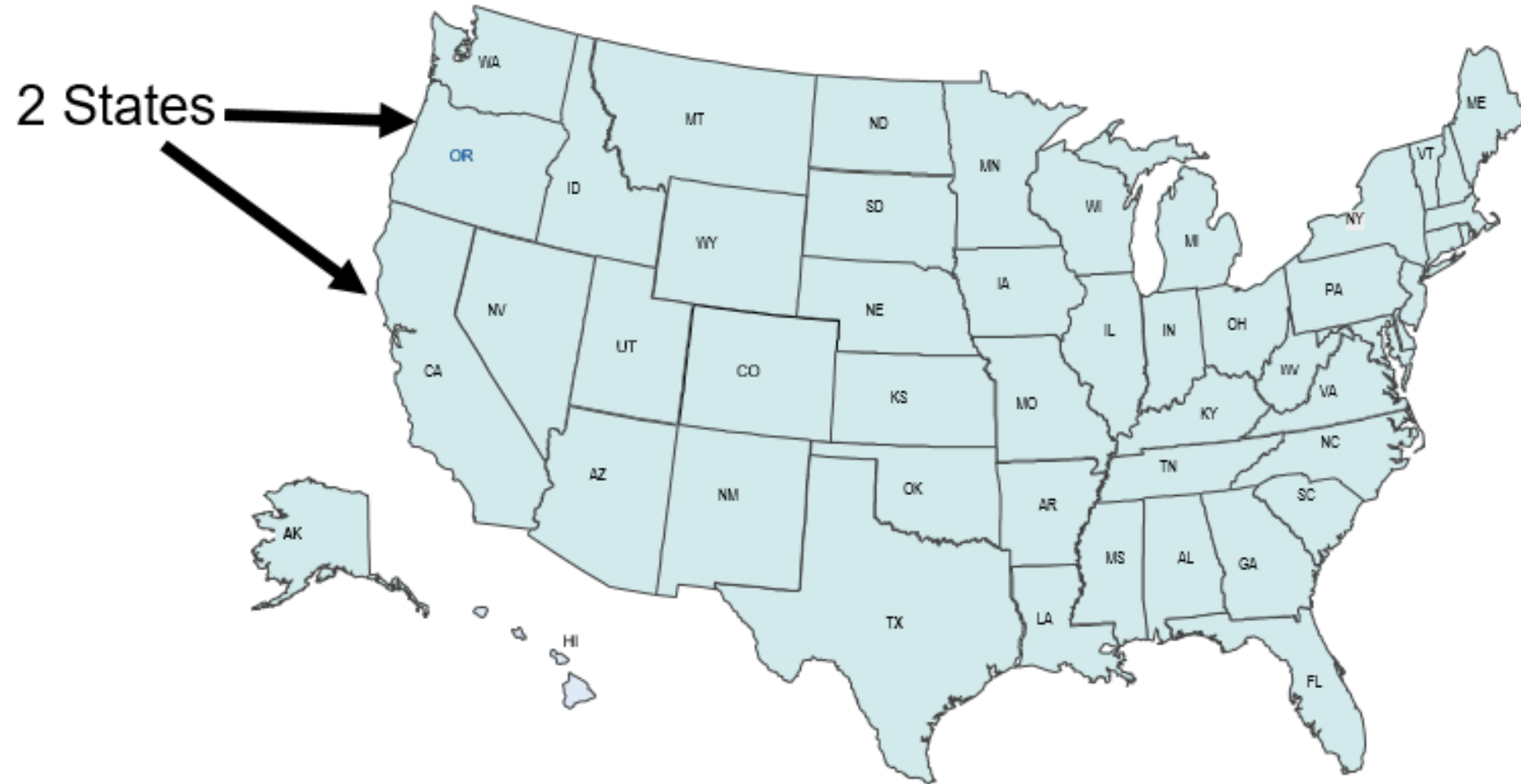
*Azrin, Goldstein, & Heinsen, 2015



SOMETHING REMARKABLE HAS OCCURRED SINCE THE EARLY 2000...

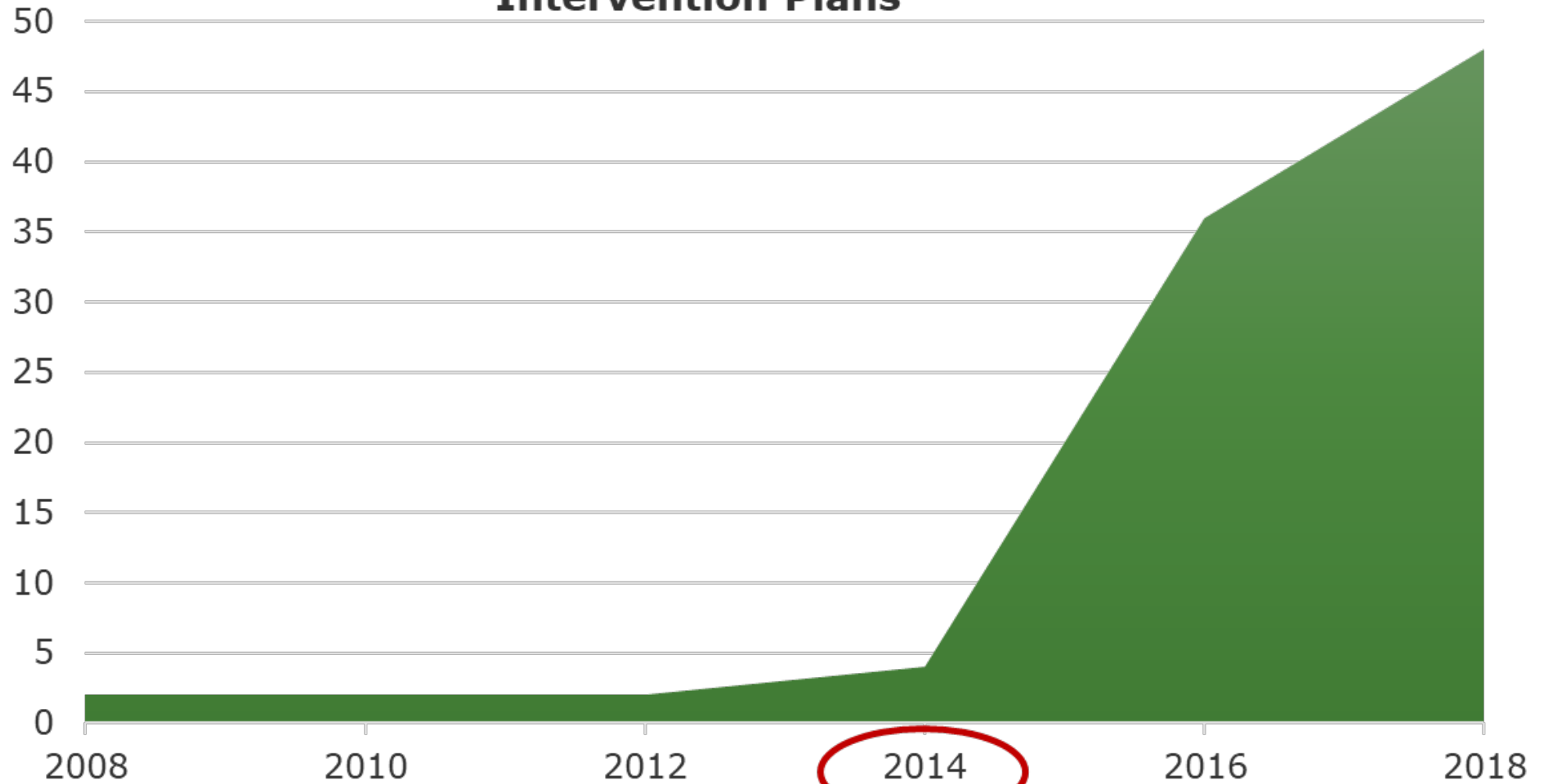


EARLY PSYCHOSIS PROGRAMS, 2008



THE GROWTH OF PROGRAMS IN THE US

Cumulative Number of States with Early Psychosis Intervention Plans



2014

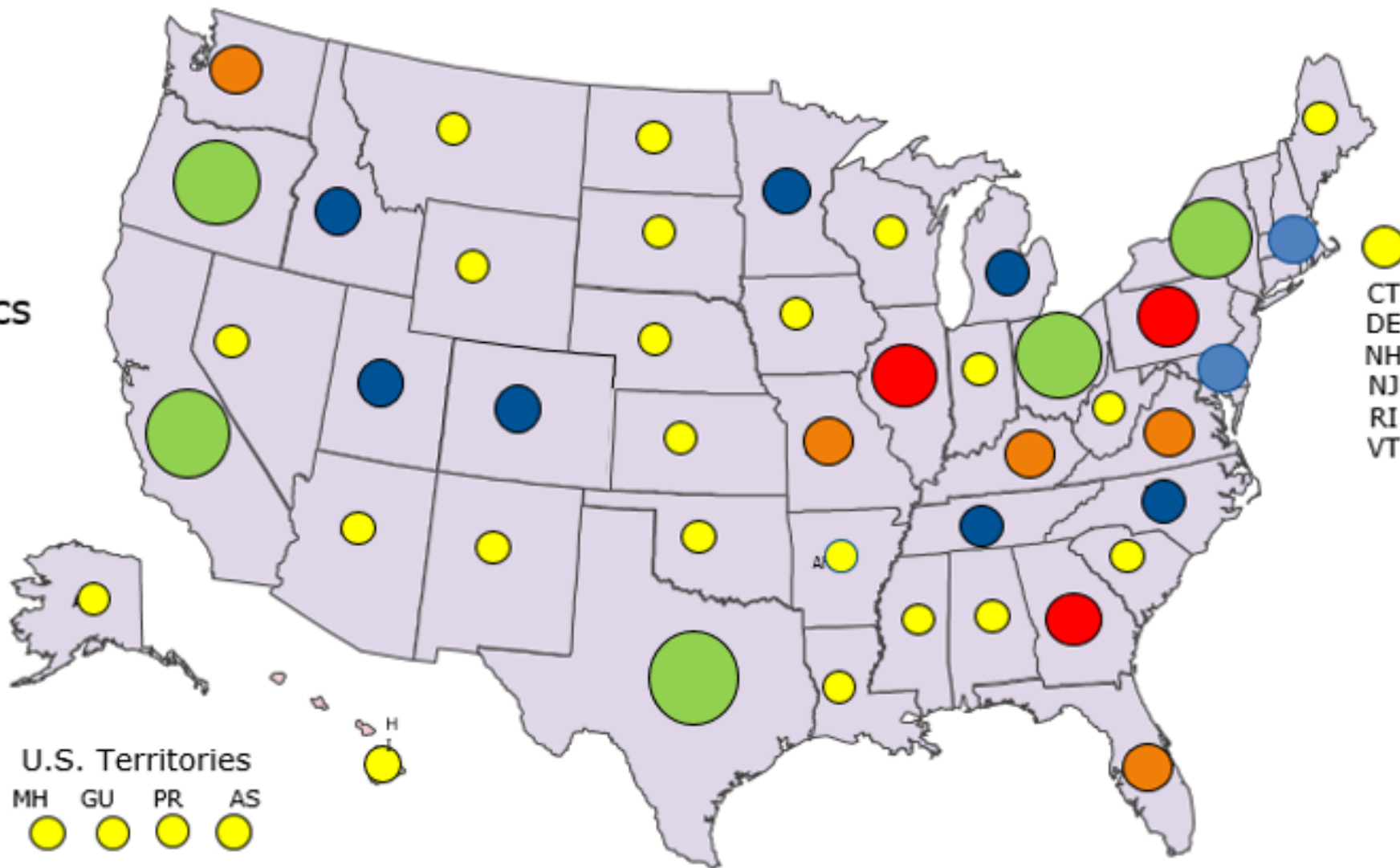
Mental Health
Block Grant
\$25M set-aside
for early
psychosis
treatment

EARLY PSYCHOSIS PROGRAMS IN 2020

50 States

4 US Territories

300+ Clinics



Number of clinics



CT
DE
NH
NJ
RI
VT

U.S. Territories
MH GU PR AS

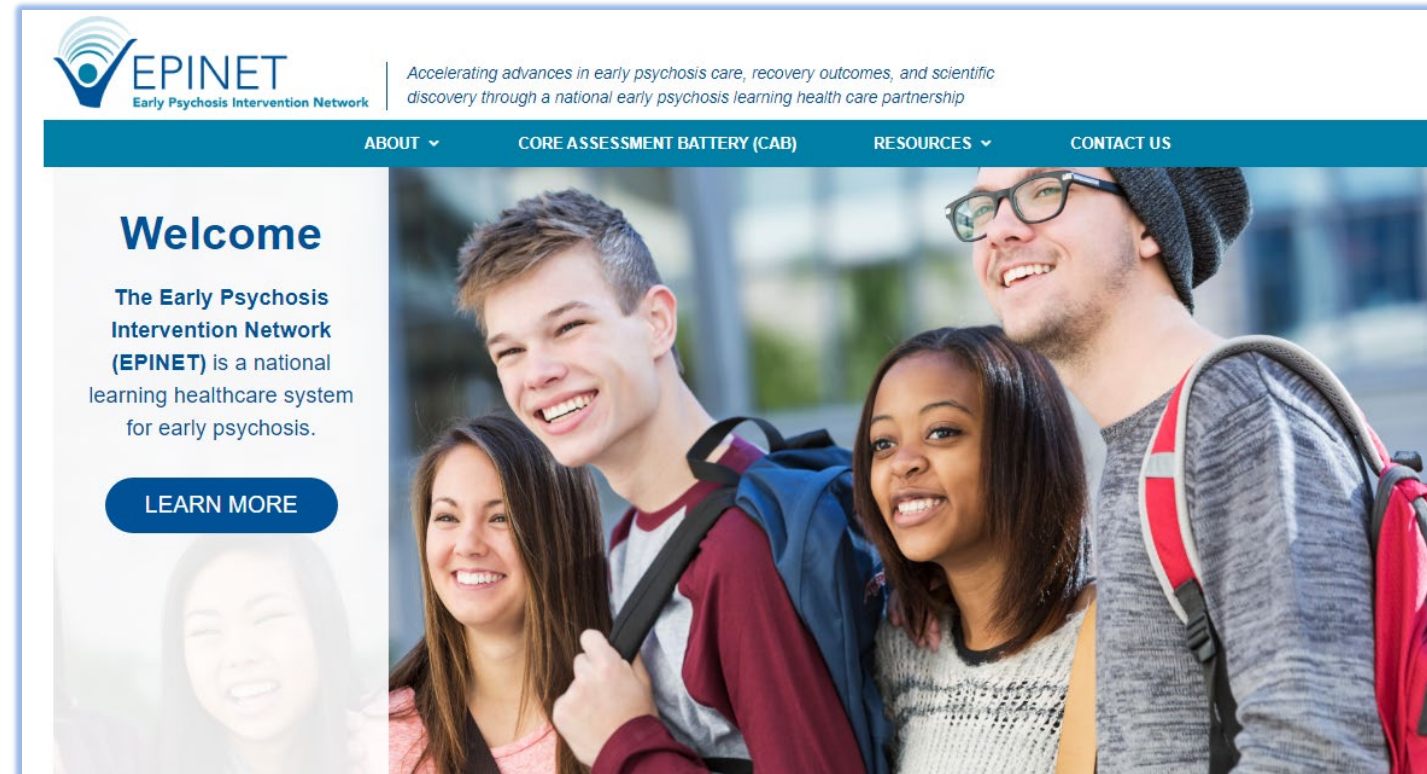
EARLY PSYCHOSIS INTERVENTION NETWORK (EPINET)



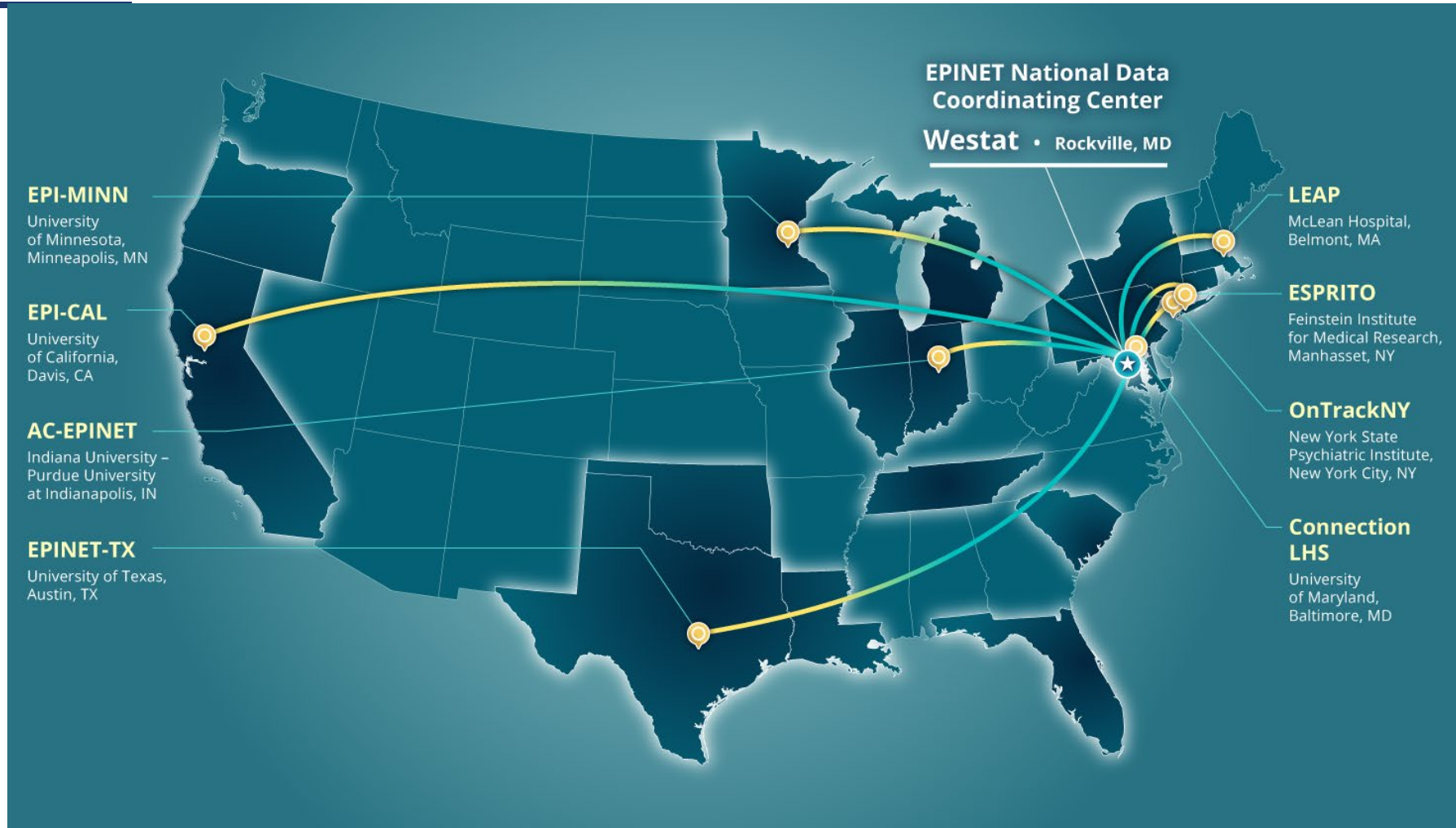
Established through the National Institute of Mental Health in 2019

EPINET links CSC clinics through standard measures and participant-level data collection.

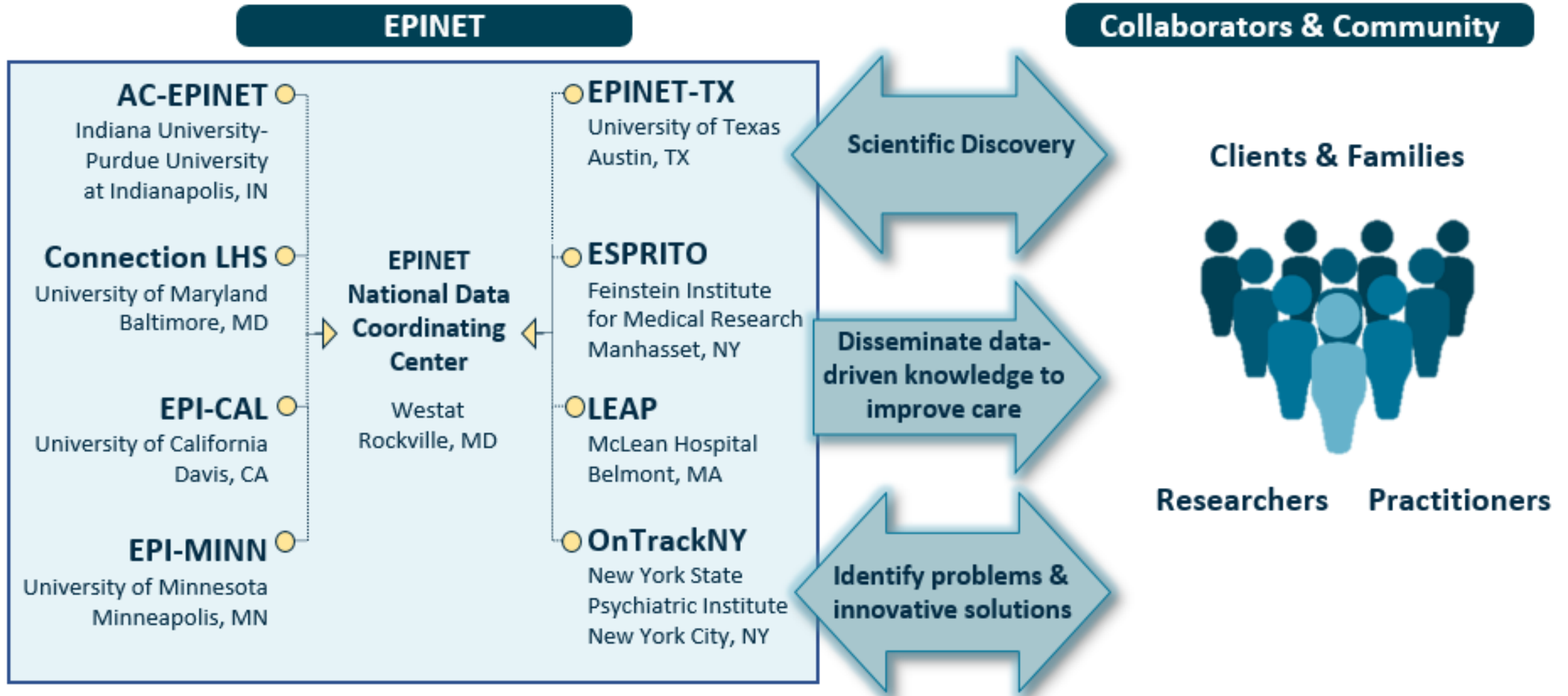
<https://NationalEPINET.org>



EPINET INCLUDES A DATA COORDINATING CENTER, 8 HUBS, 101 CSC CLINICS ACROSS 17 STATES



A NATIONAL LEARNING HEALTH CARE SYSTEM FOR EARLY PSYCHOSIS



THROUGH COLLABORATION, EPINET WILL ESTABLISH:



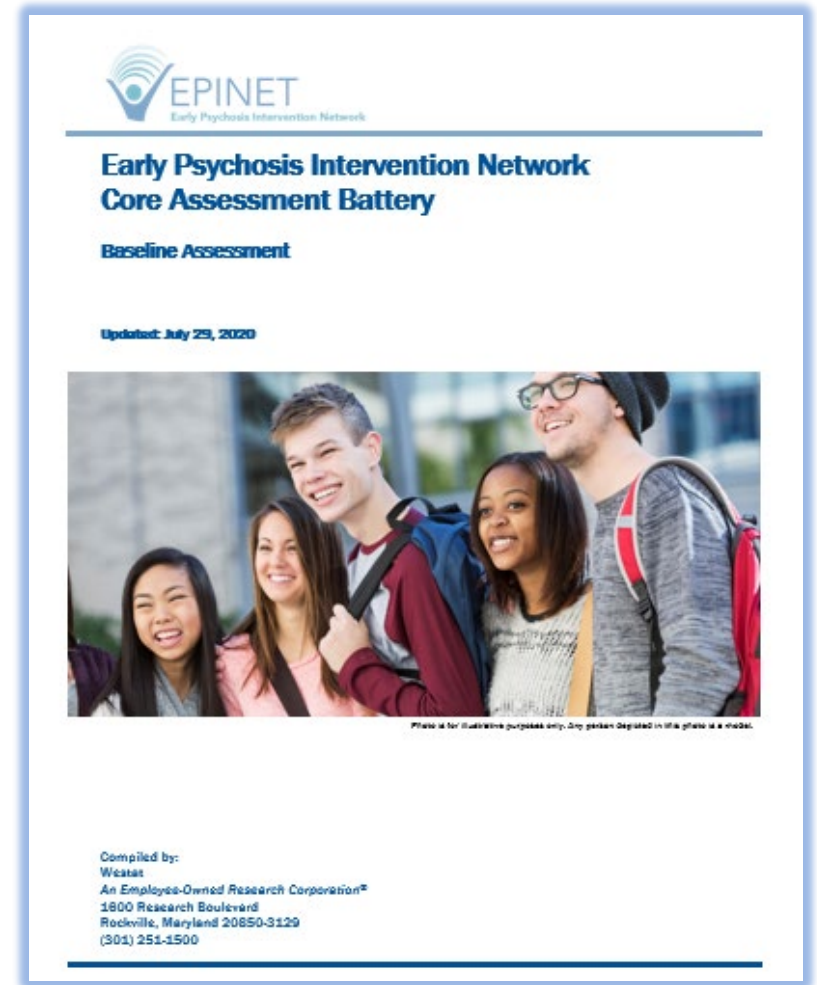
- Standardized measures of clinical characteristics, interventions, and early psychosis outcomes
- Unified informatics approach to study variations in treatment quality, clinical impact, and value
- Mechanisms for rapid sharing of tools, data, learning, and best practices across early psychosis clinics
- Cultivate a culture of collaborative research participation in academic and community early psychosis clinics



THE CORE ASSESSMENT BATTERY (CAB)

Standardized measures of clinical characteristics, interventions, and early psychosis outcomes

Please download the EPINET flyer during the presentation, or request the flyer by emailing us at ENDCC@westat.com

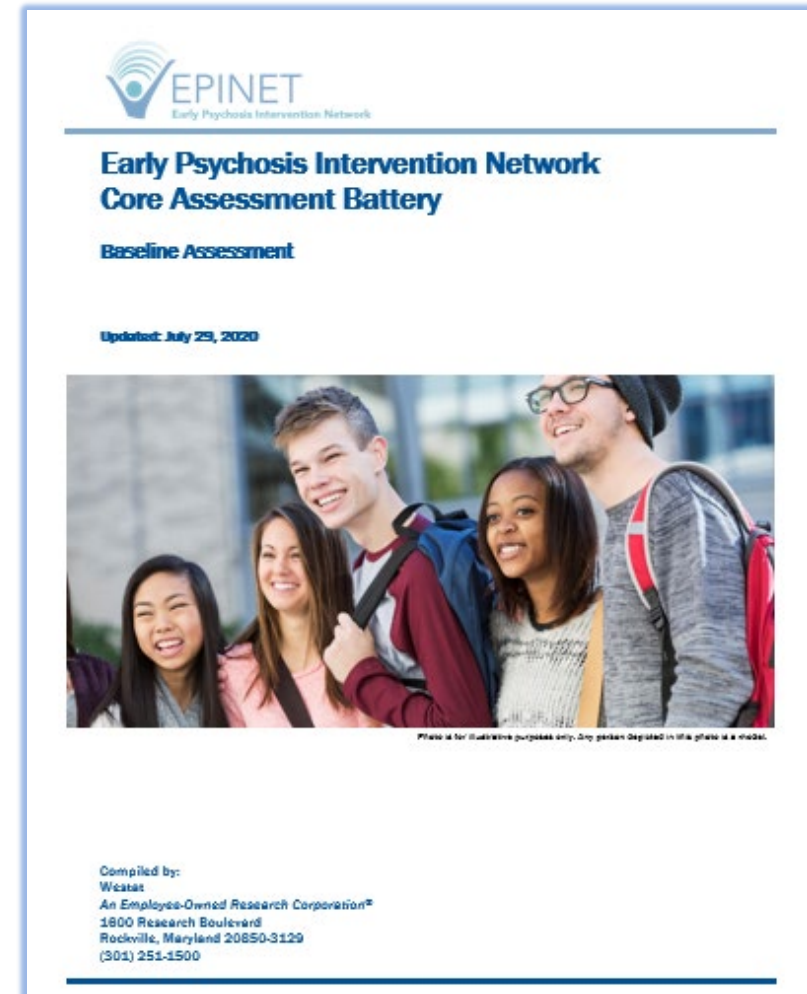


THE CAB SERVES AS THE BASIS FOR COMMON DATA COLLECTION ACROSS ALL EPINET CLINICS



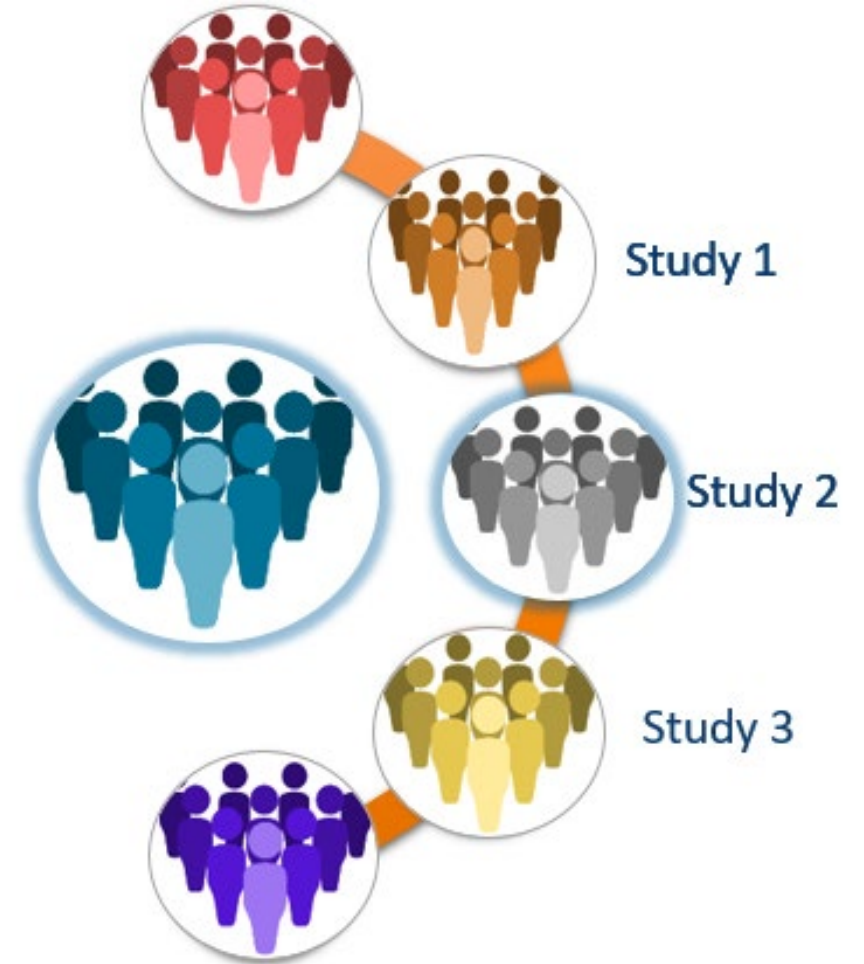
The CAB was designed as a resource that can reasonably be included in data collection efforts within community-based CSC clinics.

CAB data will be consolidated in a central database with statistical power to answer important research questions.



CAPITALIZING ON BIG DATA

- Personalized treatment
- Randomized quality-improvement projects
- Rapid piloting or fielding of new approaches
- Evaluating rare events with statistical power



Clinics send client-data to Hubs



Hubs consolidate data sent from clinics into a Hub database



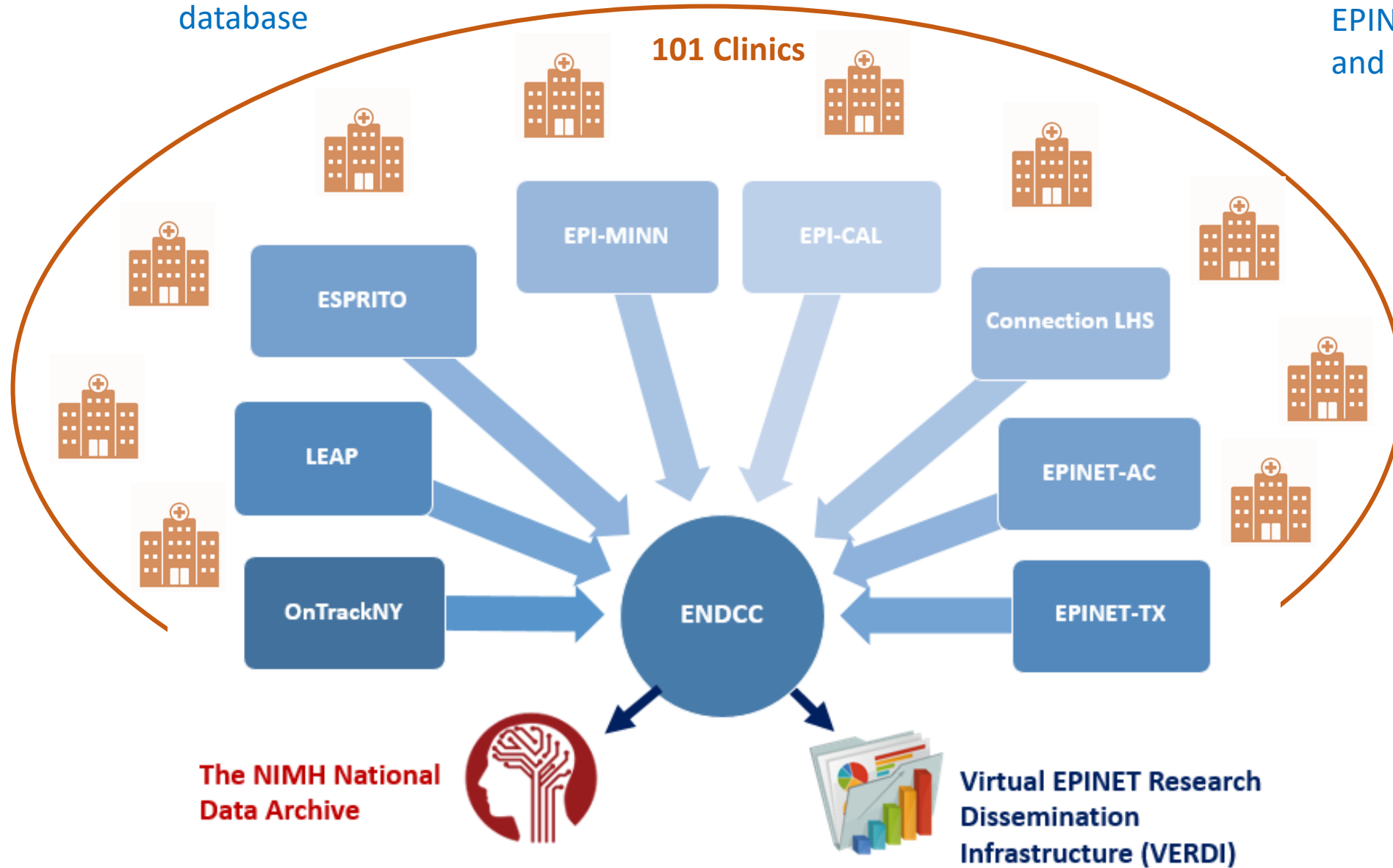
Hubs send their consolidated data to the ENDCC



ENDCC consolidates data from the Eight Hubs



ENDCC hosts the national database that is accessible to EPINET researchers and partners



The NIMH National Data Archive also receives consolidated data from the ENDCC which will be released to the public one year after the EPINET ends (approx. 2025).

DEVELOPMENT OF THE CORE ASSESSMENT BATTERY (CAB)



In 2020, the EPINET Steering Committee established the CAB after a 12-month consensus process.

The Consensus-based PhenX Early Psychosis Clinical Services Toolkit of measures was consulted in coming up with the final list

<https://www.phenxtoolkit.org/sub-collections/view/6>

Additionally, 5 workgroups comprised of more than twenty early psychosis researchers and clinical experts provided input on specific topics in the CAB.

Organization	Steering Committee Members (as of July 2020)
EPINET National Data Coordinating Center	Abram Rosenblatt Howard Goldman Preethy George
NIMH Scientific Collaborator	Susan Azrin
EPI-CAL Hub	Tara Niendam
EPI-MINN Hub	Piper Meyer-Kalos Sophia Vinogradov
ESPRITO Hub	John Kane Delbert Robinson
LEAP Hub	John Hsu Dost Ongur
OnTrackNY Hub	Lisa Dixon Jennifer Humensky

DOMAINS IN THE CORE ASSESSMENT BATTERY



	CAB Domain
1	Cognition
2	Demographics & Background
3	Diagnosis
4	Discharge Planning & Disposition
5	DUP & Pathway to Care
6	Education
7	Employment
8	Family Involvement
9	Functioning
10	Health
11	Hospitalizations

	CAB Domain
12	Legal Involvement
13	Medication Side Effects & Treatment Adherence
14	Medications
15	Recovery
16	Service Use
17	Shared Decision Making
18	Stress, Trauma & Adverse Childhood Events
19	Substance Use
20	Suicidality
21	Symptoms

STANDARDIZED MEASURES IN THE CAB



Domain	Measures	
Cognition	<ul style="list-style-type: none"> Brief Assessment of Cognition (BAC-APP v2.1.0) 	<ul style="list-style-type: none"> Penn Computerized Neurocognitive Battery (PennCNB)
Functioning	<ul style="list-style-type: none"> Global Functioning Scale: Social rating (GF Social) Global Functioning Scale: Role rating (GF Role) 	<ul style="list-style-type: none"> MIRECC-GAF Occupational rating MIRECC-GAF Social rating
Medication Side Effects & Treatment Adherence	<ul style="list-style-type: none"> Brief Adherence Rating Scale (BARS) Adherence Estimator 	<ul style="list-style-type: none"> Intent to Attend and Complete
Recovery	<ul style="list-style-type: none"> Questionnaire about the Process of Recovery (QPR) 	
Shared Decision Making	<ul style="list-style-type: none"> CollaboRATE 	
Stress, Trauma & Adverse Childhood Events	<ul style="list-style-type: none"> Adverse Childhood Experiences (ACES) Child and Adolescent Trauma Screen (CATS) Life Events Checklist (LEC) 	<ul style="list-style-type: none"> Post Traumatic Stress Disorder Checklist for DSM-5
Symptoms	<ul style="list-style-type: none"> Modified Colorado Symptom Index Brief Psychiatric Rating Scale (BPRS) 	<ul style="list-style-type: none"> Positive and Negative Symptoms of Schizophrenia Scale (PANSS-6) COMPASS 10-item version

BROAD AVAILABILITY OF THE CAB



National EPINET Website

<https://nationalepinet.org/core-assessment-battery-cab/>

Download the full CAB and User's Guide

or

Download individual items and measures by domain

EPINET
Early Psychosis Intervention Network

Accelerating evidence in early psychosis care, recovery outcomes, and scientific discovery through a national early psychosis learning health care network.

ABOUT | CORE ASSESSMENT BATTERY (CAB) | RESOURCES | CONTACT US

Core Assessment Battery (CAB)

The EPINET Core Assessment Battery (CAB) includes standardized measures and individual items that assess key domains of early psychosis psychopathology, recovery, contextual factors, and treatment. The CAB was developed through a consensus process by the EPINET Steering Committee, which is composed of principal investigators from each of the regional academic hubs and the EPINET National Data Coordinating Center (NDCC).

Publication date: July 30, 2020

EPINET CORE ASSESSMENT Battery Baseline (PDF)

EPINET CORE ASSESSMENT Battery Follow-Up (PDF)

User Guide: EPINET Core Assessment Battery (PDF)

Domains Covered in the Core Assessment Battery

Domain name	Items or Measures Within Domain
Cognition	Cognition Items (10P) BAC App (10P) TCNN CND (10P)
Demographics and Background	Demographics and Background Items - Baseline (10P) Demographics and Background Items - Follow-Up (10P)
Diagnosis	Diagnosis Items (10P)
Discharge Planning and Disposition	Discharge Planning and Disposition Items (10P)
Duration of Untreated Psychotic (DUP) and Pathway to Care	DUP and Pathway to Care items - baseline (10P) DUP and Pathway to Care items - follow-up (10P)

SCREENSHOT OF THE EPINET CORE ASSESSMENT BATTERY PAGE ON NationalEPINET.org

If interested in specific measures or items, you can scroll down the page and look at the recommended measures and items by domain.

There are baseline and follow-up versions for some measures and items because they differ depending on assessment timelines.


If there are no differences between baseline and follow-up, then there is only one version listed and it doesn't say "baseline" or "follow-up."

Domain name	Items or Measures Within Domain
Cognition	Cognition items (English-PDF) Brief Assessment of Cognition (BAC-APP v2.1.0) (English-PDF) Pennsylvania Computerized Neurocognitive Battery (Penn CNB) (English-PDF)
Demographics and Background	Demographics and Background items baseline (English-PDF) Demographics and Background items follow-up (English-PDF) Demographics and Background items baseline (Spanish-PDF) Demographics and Background items follow-up (Spanish-PDF)

There are Spanish versions of the client-self-report measures and items.

USER'S GUIDE





**Early Psychosis Intervention Network
Core Assessment Battery**

User's Guide

Updated: September 17, 2020




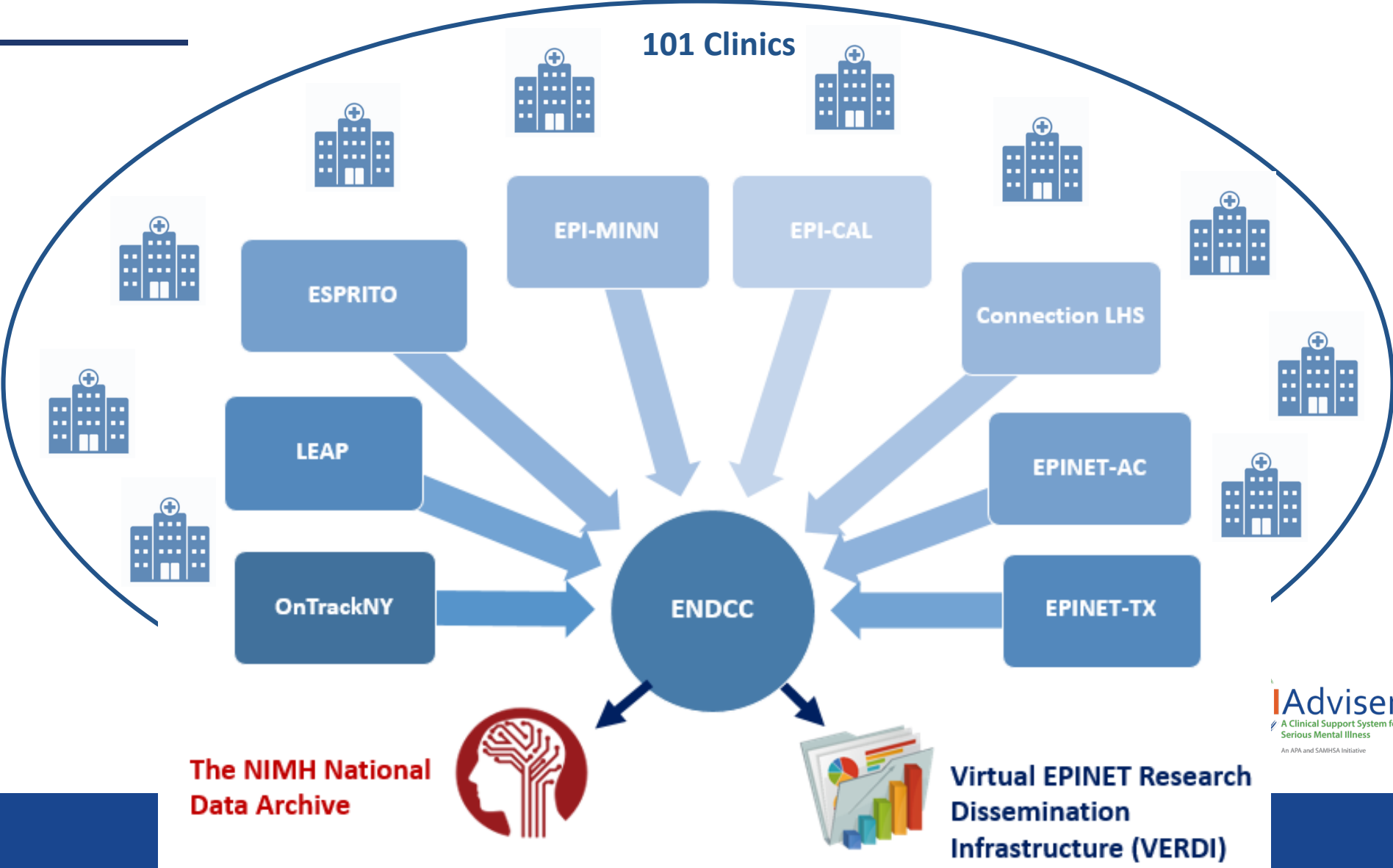
Photo is for illustrative purposes only. Any person depicted in this photo is a model.

Compiled by:
The EPINET National Data Coordinating Center (ENDCC)
Westat
An Employee-Owned Research Corporation®
1600 Research Boulevard
Rockville, Maryland 20850-3129
(301) 251-1500

Download the User's Guide from the website for administration and scoring information on each of the CAB measures and items.

<https://nationalepinet.org/core-assessment-battery-cab/>

CURRENTLY ONLY 101 EPINET CLINICS ASSOCIATED WITH A HUB ARE CONTRIBUTING DATA TO THE CONSOLIDATED DATABASE



The NIMH National Data Archive

Virtual EPINET Research Dissemination Infrastructure (VERDI)

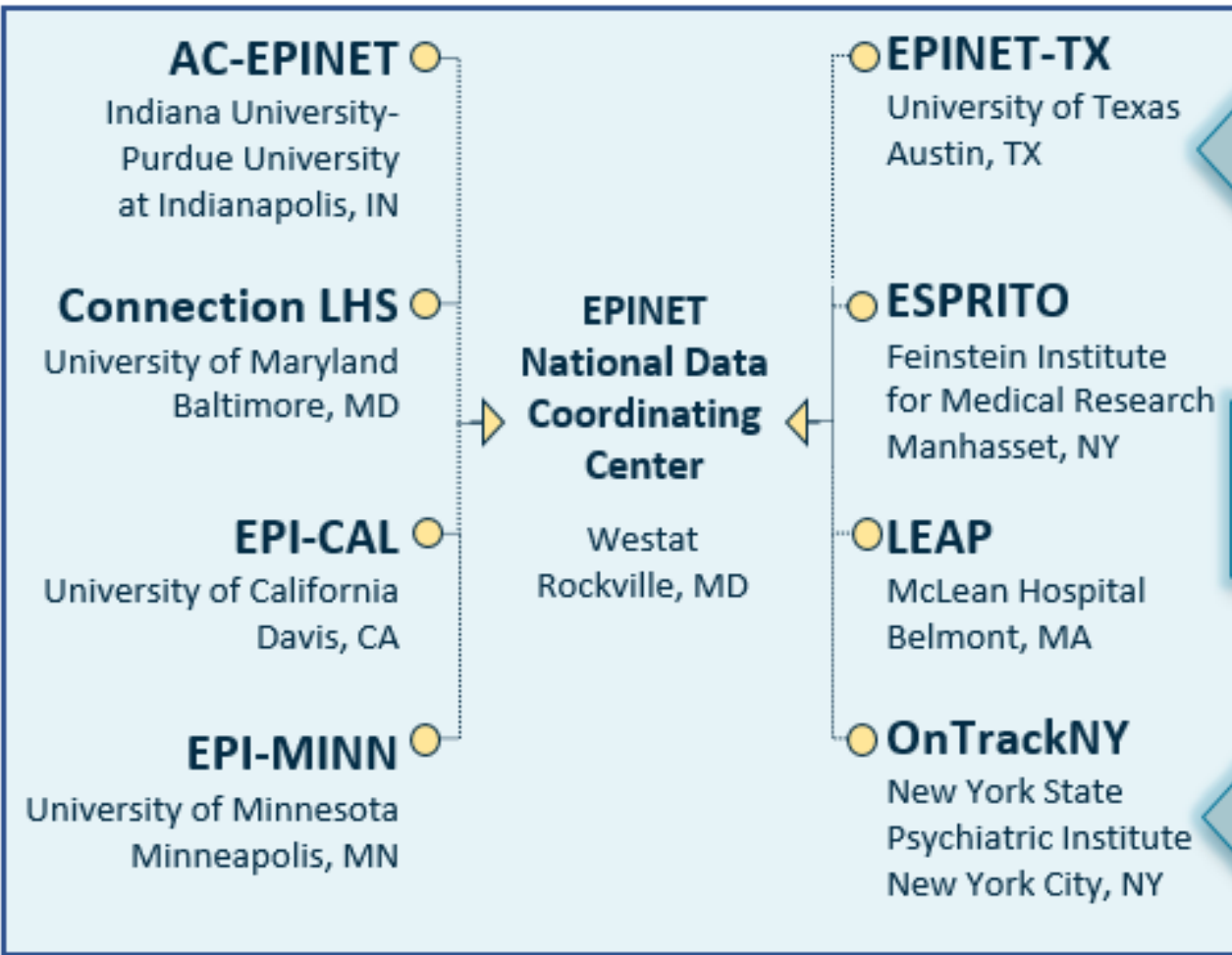
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EPINET

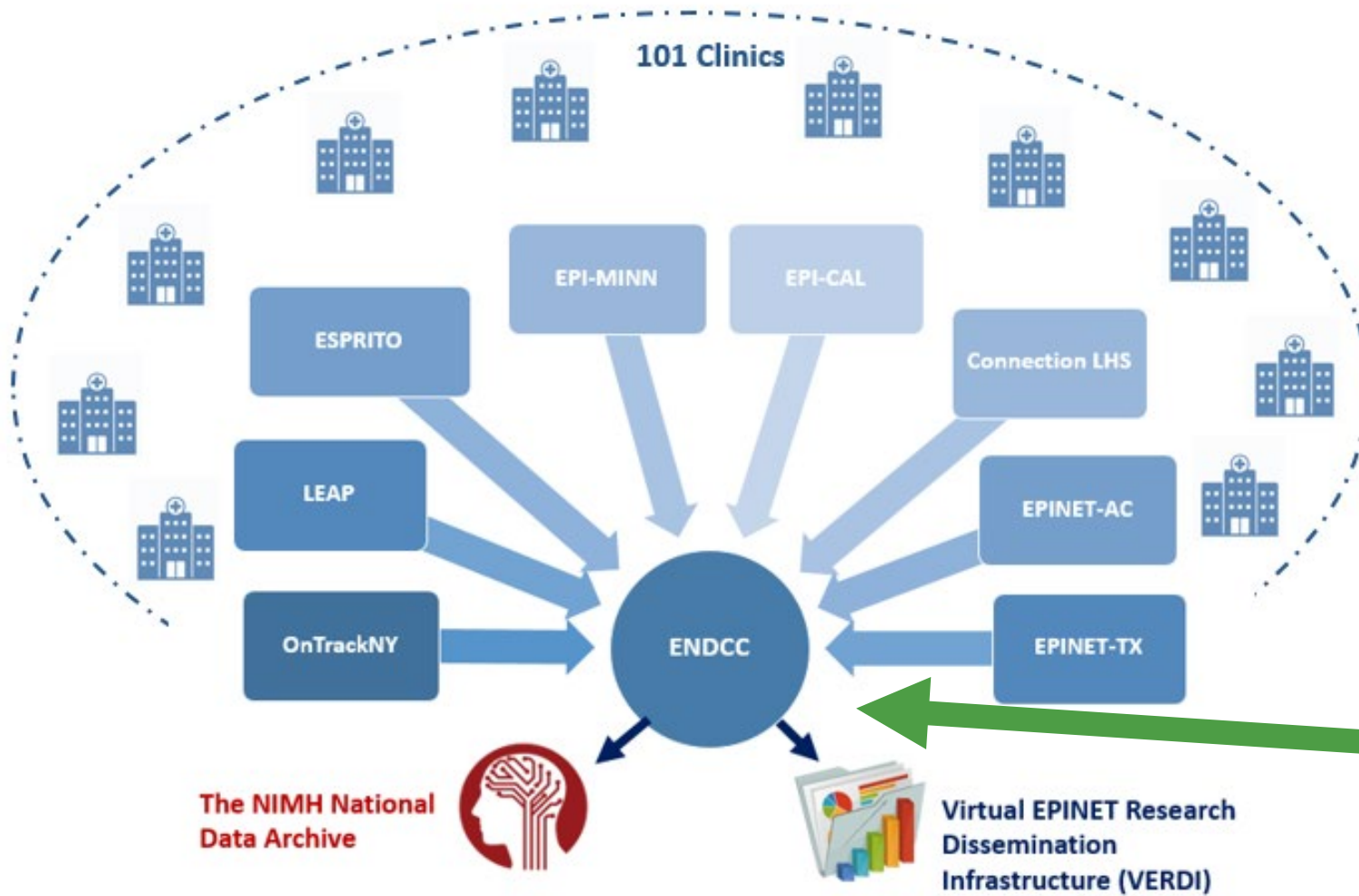
Collaborators & Community



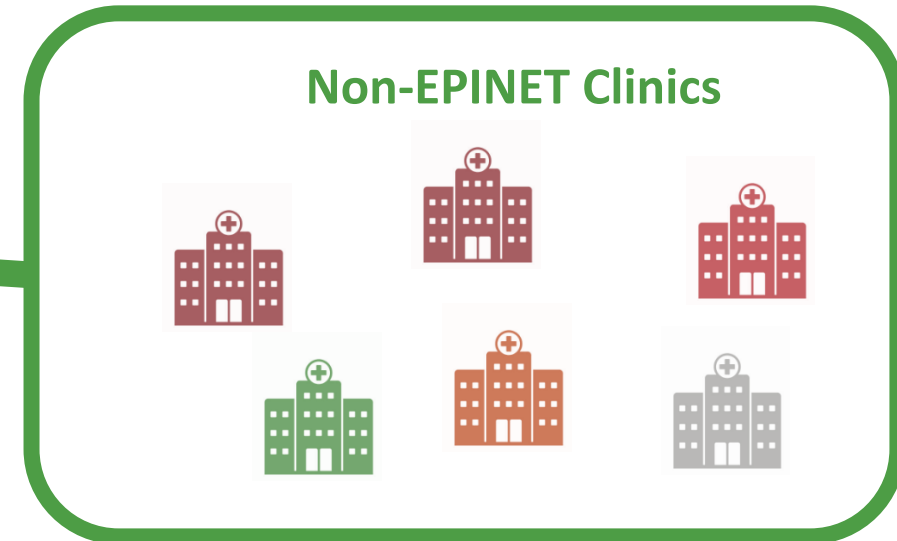
Clients & Families



Researchers Practitioners



Non-EPINET clinics will be able to contribute client data to EPINET.



Web-Based CAB Data Collection – COMING IN SUMMMER 2021

For use by coordinated specialty care (CSC)* clinics outside of the EPINET.

To Be Eligible:

- Participate in an ORIENTATION MEETING with the EPINET National Data Coordinating Center to discuss process and eligibility
- Complete the EPINET Agency and Program Background Information
- For each client, complete the items in the Demographic and Background domain
- Collect data on at least two standardized measures that are in the CAB



* Azrin, Goldstein, & Heinssen, 2015



SUMMER 2021 Check back at our website <https://NationalEPINET.org> or email us at:
ENDCC@westat.com



Web-based EPINET CAB

A screenshot of a web-based login form titled 'Web-based EPINET CAB'. It contains two input fields: 'Username or Email Address' and 'Password'. Below the password field is a 'Remember Me' checkbox and a blue 'Log In' button. There is also a small eye icon next to the password field to toggle visibility.

Username or Email Address

Password

 Remember Me

- Clinics may include new or existing clients in their database.
- Measures may be administered in several ways but clients cannot self-administer the measures.
 - Client completes paper-and-pencil version and then the data are entered into the database by clinic staff
 - Staff reads the questions to the client and completes the measures using the system
- For data to be included in the EPINET database, the System must be used.

BENEFITS OF CONTRIBUTING DATA THROUGH THE WEB-BASED CAB

- Data will be consolidated with the national EPINET database of 101 clinics
- Clinics contributing data will have access to:
 - ✓ Training regarding best practices for administering CAB measures
 - ✓ Training on how to use and interpret client scores on CAB measures
 - ✓ Secure portal to download their own clinic data which can be used for client monitoring and quality assurance

Over time as the EPINET database grows, clinics can:

- ✓ Access a dashboard to compare their data to regional and national data being collected by EPINET clinics
- ✓ Access tools to generate infographic and reports based on clinic data



EXPERT PANEL DISCUSSION ABOUT ADOPTING CAB AS PART OF CLINICAL PRACTICE



Tara Niendam, PhD

Howard H. Goldman, MD, PhD



Monica Calkins, PhD

FOCUSED DISCUSSION WITH CLINICIANS

1. How is the CAB different from PhenX?
2. Why did the EPINET Hubs and Clinics decide to participate?
3. Why is it important to consolidate data across clinics to study this population?
4. Why might a non-EPINET clinic want to contribute CAB data?
5. What is the value of using common data collection measures across all early psychosis clinics?
6. Is it worthwhile to incorporate only a few CAB measures into a clinic workflow?
7. What are some ways that clinics can incorporate CAB measures into their routine workflow?





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THANK YOU





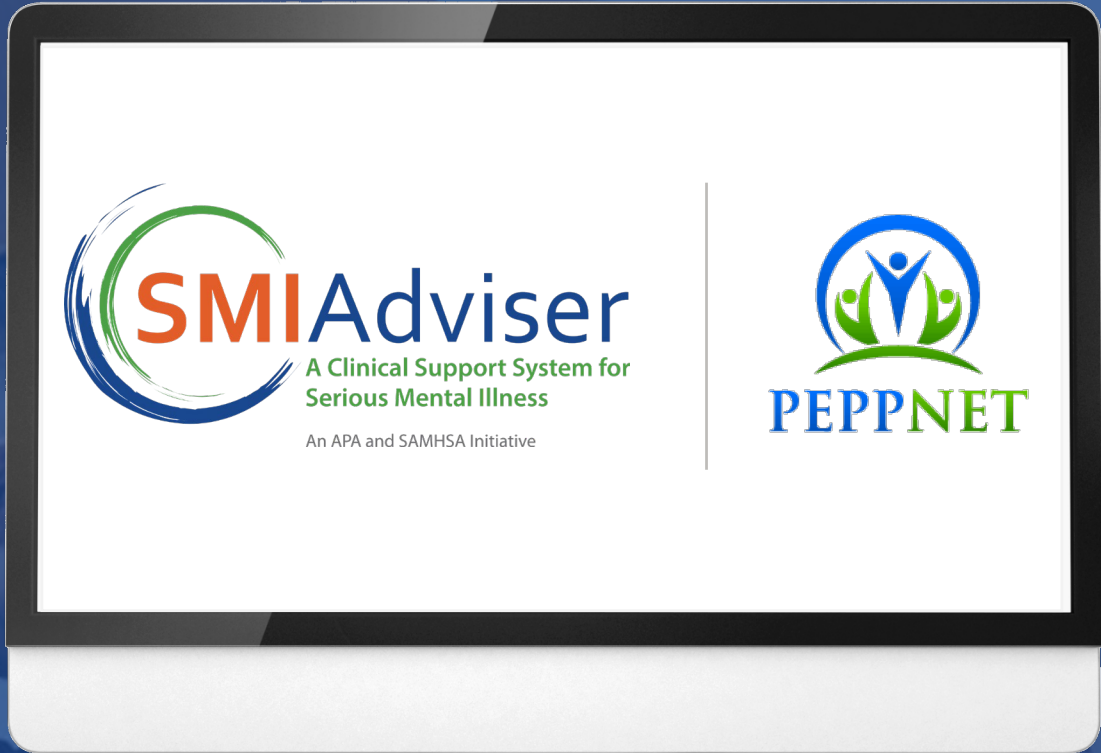
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QUESTIONS?





UPCOMING WEBINAR:

Event Name

Event Date

Event Time

Register: