Data-driven Opportunities to Improve Early Psychosis Intervention

November 22, 2021
3:00pm – 4:00pm ET
Questions, Comments & Closed Captioning

Type in a **question** in the Q&A box

Type in a **comment** in the chat box

Click **Live Transcript** and then select “Show Subtitle”
Poll #1: What best describes your role?

A. Clinician
B. Administrator
C. Policy Maker
D. Payer
E. Service Users
F. Other (specify in chat box)
Poll #2: What best describes your organization?

A. Mental Health Provider
B. Substance Use Treatment Provider
C. Primary Care Provider
D. Research Institution
E. Government Agency (local, state, federal)
F. Other (please specify in chat)
Poll #3: Does your organization currently provide coordinated specialty care?

A. Yes
B. No
Introductions

Robert K. Heinssen, Ph.D., ABPP
Division of Services and Intervention Research
National Institute of Mental Health

Adriana Furuzawa, LMFT, CPRP
Division Director
Felton Institute
After this webinar today, you will be able to:

- Describe the key aspects of learning health care and how EPINET employs these principles to advance early psychosis intervention.
- Gather insights and considerations for leveraging data to improve early psychosis care.
- Learn more about engaging with the national learning health care system.
EPINET: A National Learning Health Care System for Early Psychosis

Robert K. Heinssen, Ph.D., ABPP
Division of Services and Intervention Research
National Institute of Mental Health

National Council for Mental Wellbeing
November 22, 2021
Disclosures

- I have no personal financial relationships with commercial interests relevant to this presentation.

- The views expressed are my own, and do not necessarily represent those of the NIH, NIMH, or the Federal Government.
Something remarkable has occurred...
Early Psychosis Programs, 2008

12 Programs
Coordinated Specialty Care Model

- Evidence-based interventions delivered by dedicated teams
- Person-centered treatment
- Recovery-oriented and youth-focused framework
- Shared decision-making
Once evidence-based practices are implemented, is it possible to maintain intervention fidelity and improve effectiveness over time?
Learning Health Care: Continuous Improvement in Services

provide best care

launch new research

measure results

examine variation

improve services

Institute of Medicine, 2013
Advancing services, outcomes, and discovery through a national learning health care partnership
EPINET Culture and Methods

• Cultivate a culture of collaboration among community early psychosis clinics and academic CSC programs

• Standardize measures of clinical features, interventions, and early psychosis outcomes

• Optimize informatics approaches to study treatment quality, clinical impact, and value

• Share tools, data, learning, and best practices rapidly across CSC programs nationwide
101 CSC clinics
3,000-5,000 FEP patients
National Data Coordinating Center

https://nationalepinet.org
Core Assessment Battery

• The Core Assessment Battery (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 CSC clinics.

• CAB data can be aggregated in a database to examine questions with statistical power.

• CAB measures will be refined over time based on scientific validity and clinical utility.
# Core Assessment Battery Domains and Data Elements

## Demographics and Background
- Age, gender, sexual orientation
- Race, ethnicity, language
- Marital status, children
- Parental education and occupation
- Housing, health insurance, SSI/SSDI

## Treatment Elements
- Shared decision making
- Family involvement
- Medications, side effects, and adherence
- CSC service use
- Discharge planning and disposition

## Potential Moderators of Response
- Duration of Untreated Psychosis (DUP)
- Stress, trauma, ACEs
- Substance and alcohol use
- Legal involvement
- Cognition

## Key Outcomes
- Quality of life, recovery
- Social and role functioning
- School and work involvement
- Symptoms, suicidality, hospital/crisis services
- Physical health
Common Measures Support Learning and Quality Improvement

% OnTrackNY participants (N~900) enrolled in school or employed

OnTrackNY data courtesy L. Dixon, 2021
Common Measures Support Learning and Quality Improvement

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OnTrack Central sets state-wide benchmarks for high-quality care

OnTrackNY data courtesy L. Dixon, 2021
Common Measures Support Learning and Quality Improvement

% OnTrackNY participants (N~900) enrolled in school or employed

OnTrack Central sets state-wide benchmarks for high-quality care

Learning health care identifies and disseminates CSC best practices

OnTrackNY data courtesy L. Dixon, 2021
Common Measures Support Learning and Quality Improvement

% OnTrackNY participants (N~900) enrolled in school or employed

- OnTrack Central sets state-wide benchmarks for high-quality care
- Learning health care identifies and disseminates CSC best practices
- Continuous monitoring + real-time feedback improves CSC performance

OnTrackNY data courtesy L. Dixon, 2021
Common Measures Support Learning and Quality Improvement

% OnTrackNY participants (N~900) enrolled in school or employed

- OnTrack Central sets state-wide benchmarks for high-quality care
- Learning health care identifies and disseminates CSC best practices
- Continuous monitoring + real-time feedback improves CSC performance
- Non-judgmental inquiry reveals key social determinants of health

OnTrackNY data courtesy L. Dixon, 2021
Extending EPINET’s Learning Health Care Impact
Extending EPINET’s Learning Health Care Impact

EPINET
N=101

Community Programs
Offering CSC Services
N=240
Extending EPINET’s Learning Health Care Impact

EPINET
N=101

Community Programs Offering CSC Services
N=240

Core Assessment Battery
Extending EPINET’s Learning Health Care Impact

- CAB is available at no cost
- Clinical measures balance rigor and practicality
- Self-report measures are available in 6 languages
- Clinics may choose 4-18 standard CAB measures

Core Assessment Battery

EPINET N=101

Community Programs Offering CSC Services N=240
Clinical input and feedback pipelines are coming in 2022!
CAB Data Serve Multiple Purposes

Tools for Clinic, State, and Federal Partners

- Participant-level readouts
- Programmatic readouts
- Quality improvement targets
- Empirical policy analysis
- Practice-based research

Community Programs Offering CSC Services
N=240

CSC Clinical Data

Core Assessment Battery
N=101

Comparative Feedback
Have I piqued you interest?

We’d love to hear from you.

ENDCC@wostat.com

Contact us if you would like to collaborate with us or have any questions or suggestions.
Acknowledgements

National Data Coordinating Center
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EPINET Regional Networks
Melanie Bennett, Monica Calkins, Alan Breier, Lisa Dixon, Iruma Bello, Molly Lopez, Tara Niendam, Dost Öngür, John Hsu, Delbert Robinson, John Kane, Sophia Vinogradov, Piper Meyer-Kalos

NIMH Science and Program Officers
Susan Azrin, Joel Sherrill, Matthew Rudorfer
Thank you!

Robert K. Heinssen, Ph.D., ABPP
Director, Division of Services and Intervention Research
National Institute of Mental Health

E-mail: rheinsse@mail.nih.gov
Phone: 301-435-0371
From Science to Service and Beyond: Expanding Data Driven Care in Early Psychosis

Adriana Furuzawa, MA, LMFT, CPRP
Early Psychosis Division Director
Felton Institute
Overview

I. Felton Institute
II. The (re)MIND® Ealy Psychosis Network
III. Data Driven Care in Early Psychosis
IV. The Learning Healthcare System Approach
V. Questions and Answers
The geographic area covered by (re)MIND® clinic sites in five CA counties is approximately the same size as the state of New Jersey!
(re)MIND® Early Psychosis Network

- Launched in 2007 in San Francisco
- Began as a community-academic partnership between Felton Institute and University of California San Francisco (UCSF)
- “Science-to-Service Bridge”: Evidence-based treatment brought out of academic research and taken to scale in the community in record time
- National recognition as a successful Coordinated Specialty Care for Early Psychosis model
- Funding sources – CA MHSA, CA EPI-Plus, Medicaid, SAMHSA MHBG 10% Early Psychosis Set Aside, SAMHSA CHR-P Grant
<table>
<thead>
<tr>
<th>Service Type</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Rigorous Diagnostic Assessments</td>
<td>SCID, SIPS</td>
</tr>
<tr>
<td>Individual Psychotherapy</td>
<td>CBT for Psychosis</td>
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<tr>
<td>Psychoeducational Multifamily Groups</td>
<td>PMFG</td>
</tr>
<tr>
<td>Supported Employment and Education</td>
<td>IPS</td>
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<tr>
<td>Psychiatric Evaluation and Algorithm-Guided Medication Management</td>
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<tr>
<td>Intensive Care Coordination</td>
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<tr>
<td>Family Support</td>
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<tr>
<td>Peer Support</td>
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<td>Support Groups</td>
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<tr>
<td>Community Education and Outreach</td>
<td></td>
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</tbody>
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(re)MIND®, Felton BEAM UP®, BEAM, (re)MIND® Alumni
Decrease in Psychiatric Hospitalizations
(per number of hospital visits)

July 1, 2019 – June 30, 2020

San Francisco County (n = 13)
Monterey County (n = 29)
San Mateo County (n = 24)
Alameda County (n = 12)

Decrease in Psychiatric Hospitalizations
(per number of days in hospital)

AGE

16-25 years old
87%

Under 16 years old
5%

26 years old and older
8%
Felton Institute
San Mateo

(re)MIND
https://felton.org/early-psychosis/san-mateo/

EPI-CAL
California Collaborative Network to Promote Data Driven Care and Improve Outcomes in Early Psychosis (EPI-CAL)

Principal Investigator: Tara A. Niendam, PhD

https://nationalepinet.org/regional-networks/epi-cal/

✓ Network of 12 California EP programs to standardize practice and knowledge-sharing
✓ Support measure-based care
✓ Harmonize core outcomes
✓ Empower consumers to use their own data in care decisions
The Learning Healthcare System Approach

Meaningful use of data
- Population
- Services
- Impact in clinical recovery

Real-World Implementation

Technical Assistance
- Uniform Data Collection
- Integration of Client-Level Data

Dissemination Lessons Learned

Felton Institute

EPINET
Early Psychosis Intervention Network

EPI-CAL

NATIONAL COUNCIL for Mental Wellbeing
The Learning Healthcare System Approach

Felton Institute
Quick Access to Research
Client-Level Outcomes
Program Design
Funding
Innovation

Felton Institute
Service + Science

Science + Service

EPI-CAL
Uniform Data Collection
Training
Large Scale Practice-Based Research

EPI-CAL
Early Psychosis Intervention Network

National Council for Mental Wellbeing
Questions and Answers
Visit felton.org/early-psychosis

Adriana Furuzawa, MA, LMFT, CPRP
afuruzawa@felton.org
(415) 474-7310 x 314
linkedin.com/in/adriana-furuzawa
Poll #4: Are any of you interested in providing coordinated specialty care?

A. Yes
B. No
Tools & Resources

- EPINET
- Felton Institute
- EPI-CAL (California Collaborative Network to Promote Data Driven Care and Improve Outcomes in Early Psychosis)
- Best Care at Lower Cost: The Path to Continuously Learning Health Care in America
- OnTrackNY website
Questions?
Thank you!

Questions? Contact SarahN@thenationalcouncil.org.