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Texas Child Mental
Health Care Consortium

CPAN
Child Psychiatry
Access Network

From Data to Action: Using Information Technology to Maximize the Performance of Pediatric Mental Health Care Access (PMHCA) and Maternal Depression and Related Behavioral Disorders (MDRBD) Programs

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- The slides were developed in collaboration with the TCMHCC Executive Team and the Trayt Team.
- Dr. Williams has no disclosures.
- Trayt is the data management platform that the state of Texas contracted to develop and manage our CPAN and TCHATT programs and outcomes.

Outline for Presentation



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1. TCMHCC

- Purpose and vision
- Programs
- Structure
- CPAN specifics

2. Improve the quality of your workflow

- Seamless workflow
- Reduced time note taking
- Simple structured data collection

3. Improve quality of leadership insights and analytics

- Facilitate HRSA and other agency reporting
- Measure program quality
- Enable population health research
- Accountability, training, and education for internal CAPP team

4. Support PCP Education

- Share educational content
- PCP ongoing access to standardized measures
- CME course and other targeted announcements

Vision

- **All Texas children and adolescents will have the best mental health outcomes possible.**

Mission

- **To advance mental health care quality and access for all Texas children and adolescents through inter-institutional collaboration, leveraging the expertise of the state's health-related institutions of higher education, local and state government agencies, and local and state mental health organizations.**

TCMHCC's Programs



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Child Psychiatry Access Network (CPAN)



Texas Child Health Access
Through Telemedicine



Community Psychiatry Workforce
Expansion



Child & Adolescent Psychiatry
(CAP) Fellowships



Children's Mental Health
Research

Texas Child Mental Health Care Consortium

Executive Committee Structure
(35 Members)

Administrative Attachment

Higher Education Coordinating Board receives state funding and sends it to the Consortium for services as directed by the Consortium's plan, once approved by the Legislative Budget Board

Administrative Support Entity

UT System appointed by the Executive Committee to provide administrative support for Consortium activities

HRI and Medical Schools

(26 total members)
Two members per institution:
Chair of Psychiatry Dept.
President's Designee

HHSC

(2 members)
One services expert
One facilities expert

Nonprofit Orgs

(3 members)
Selected by Consortium:
Meadows MH Policy Institute
Hogg Mental Health Foundation
Texas Council of Community Centers

Hospital System

(1 member)
Selected by Consortium:
Children's Health

Higher Education Coordinating Board

(1 member)

Any other entity designated by the Chairs of Psychiatry members

(2 members)
Baylor S&W
UT System

Helps providers meet the mental health needs of Texas children and adolescents

What Free Services Does CPAN Offer?



Telephonic clinical consultation during business hours with a child psychiatrist or mental health clinician.



Care coordination for assistance with referrals to community mental health services.



Continuing professional education designed for pediatric primary care providers.

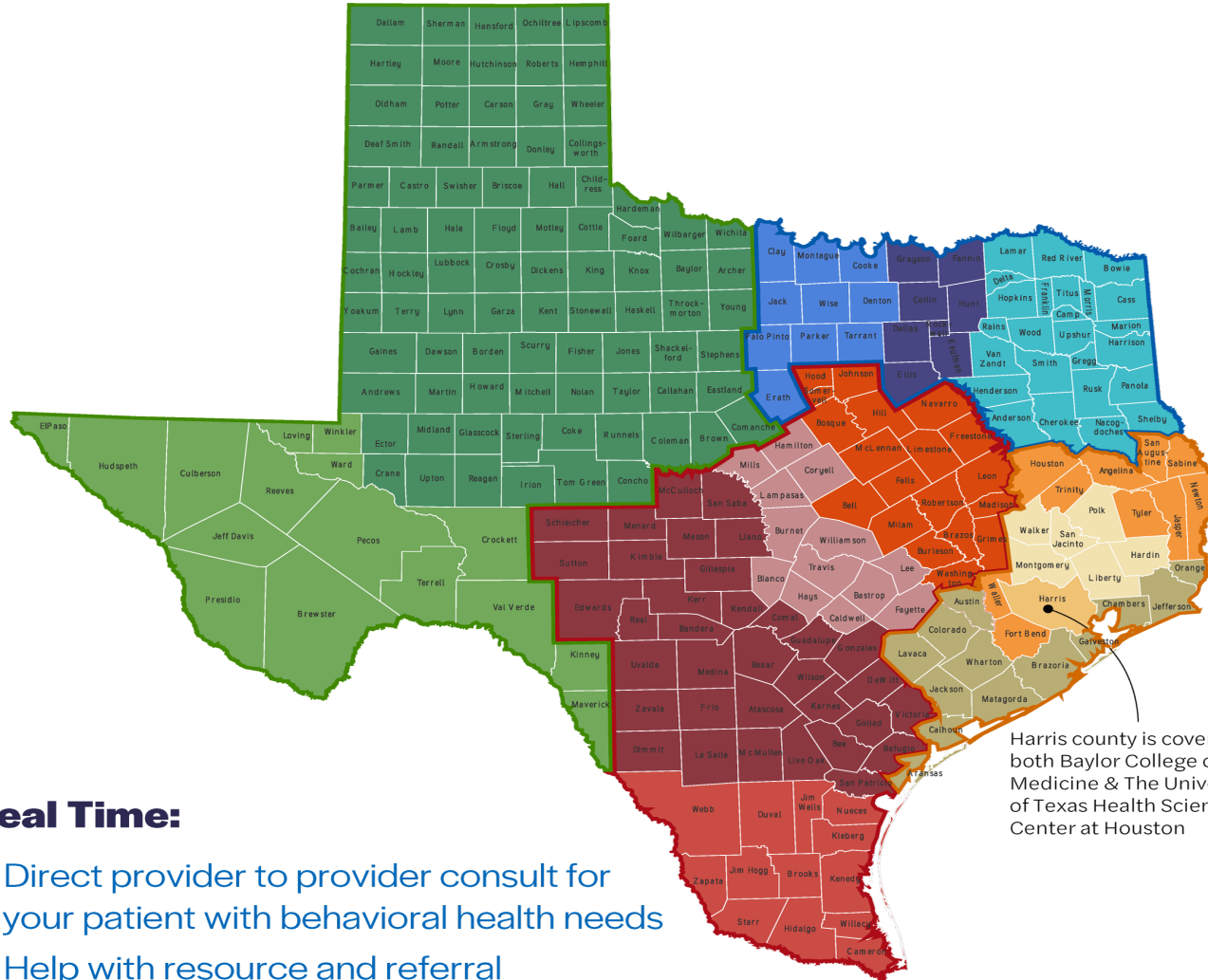




CPAN

Child Psychiatry
Access Network

Call **(888)901-2726**
to reach CPAN



Dial 1 North and Northeast Region

- 1 University of North Texas Health Science Center
- 2 The University of Texas Southwestern Medical Center
- 3 The University of Texas Health Science Center at Tyler

Dial 2 South and Southeast Regions

- 1 Baylor College of Medicine
- 2 The University of Texas Health Science Center at Houston
- 3 The University of Texas Medical Branch at Galveston

Dial 3 Valley and Central Regions

- 1 Dell Medical School at The University of Texas at Austin
- 2 The University of Texas Health Science Center at San Antonio
- 3 The University of Texas Rio Grande Valley School of Medicine
- 4 Texas A&M University System Health Science Center

Harris county is covered by both Baylor College of Medicine & The University of Texas Health Science Center at Houston

Dial 4 West Region

- 1 Texas Tech University Health Sciences Center
- 2 Texas Tech University Health Sciences Center at El Paso

Real Time:

- ★ Direct provider to provider consult for your patient with behavioral health needs
- ★ Help with resource and referral assistance



Platform Decisions

1. Understand as best as possible what your current AND future goals for the program will be
2. Create a workgroup with the appropriate stake holders to develop the list of mandatory features needed to have success
 - End users of the platform
 - Your team members
 - Primary Care Physicians that the program serves
 - Data analysts
 - Evaluation teams
 - Program leadership
3. Know your state requirements for procurement
4. Have an RFP and when possible have more than one team present their vision of your team's development goals



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Trayt Access Solutions & Architecture



Trayt Access Solutions:

Improving Access to Mental Health Care for highly impacted populations



Provider-to-Provider Consultation & Collaboration



Direct-to-Patient Intervention

Primary Care & Specialist Clinics



School-Based Programs

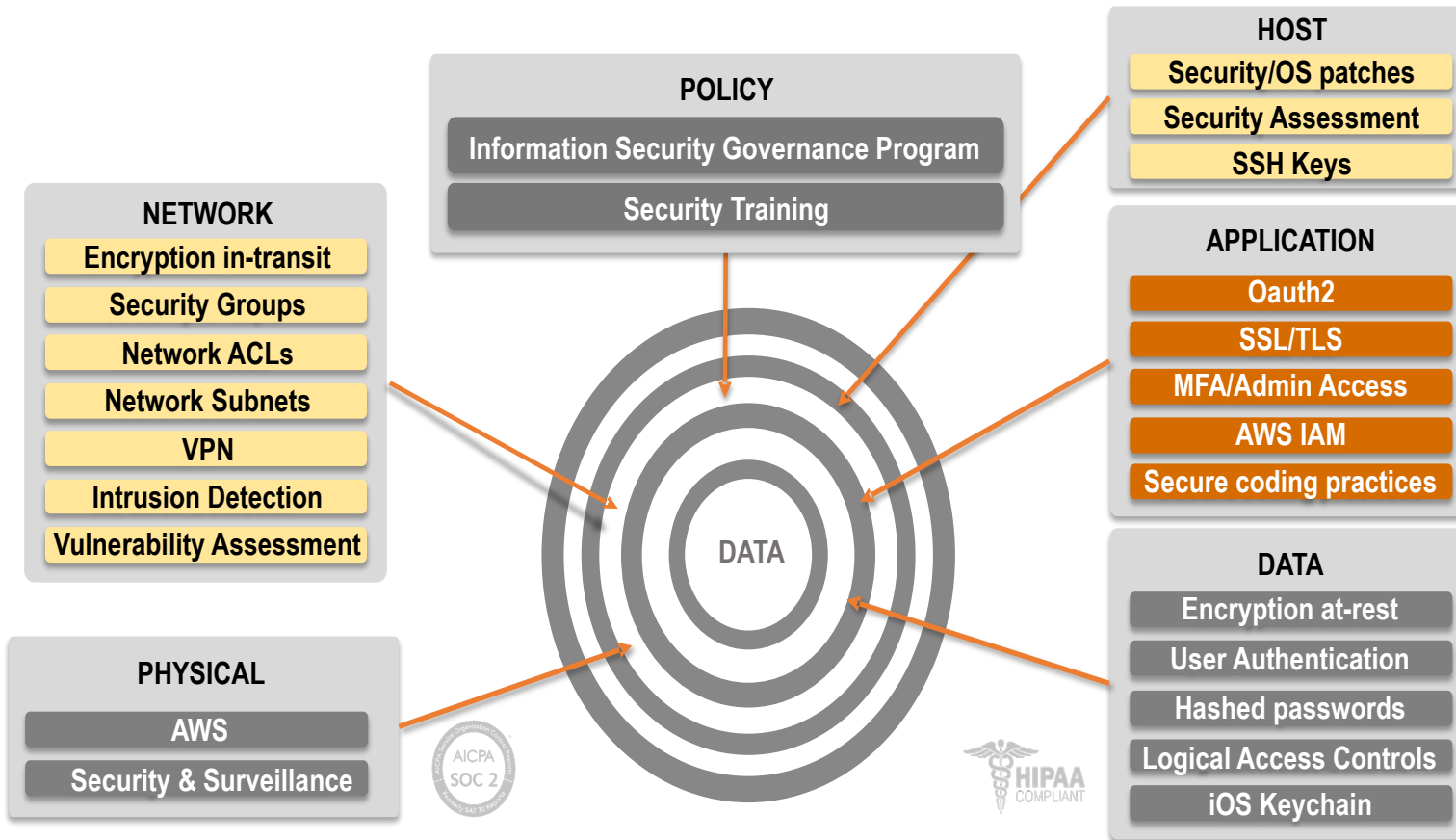


Community & Home-Based Programs



Secure Applications & Data Management

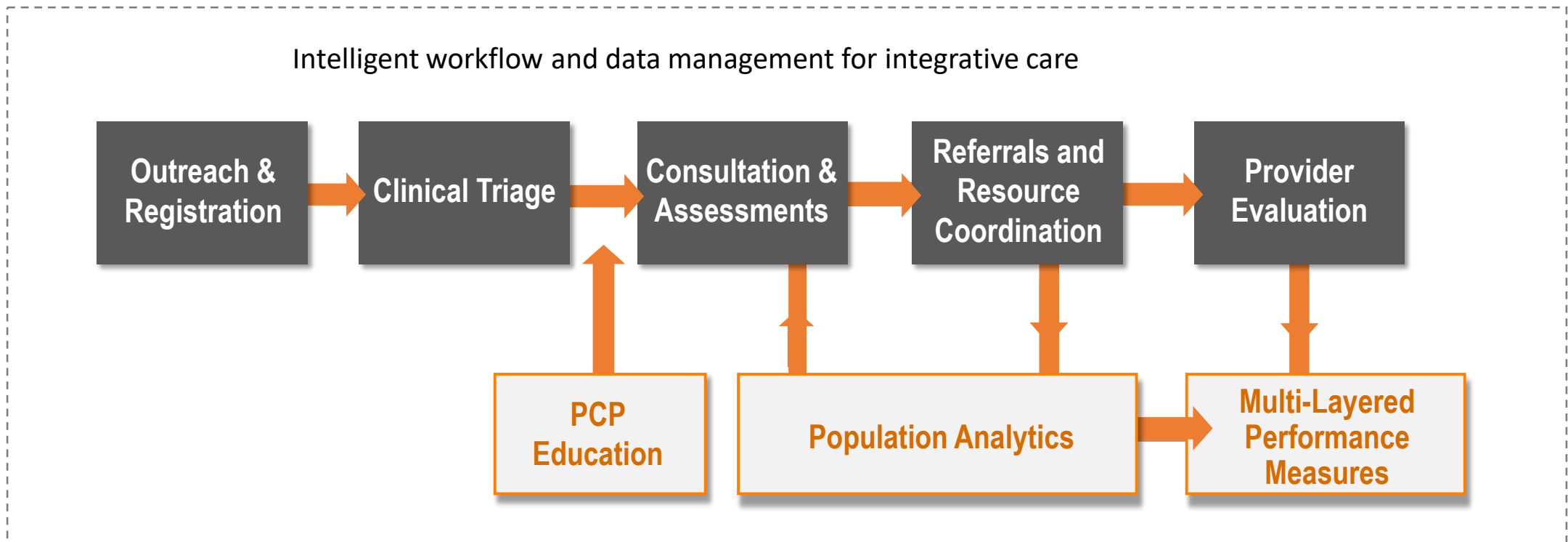
Defense in Depth



- ✓ Data & infrastructure security
 - End-to-end data encryption
 - No data storage on client
 - MFA & SSO for maximum security
- ✓ Company-wide training & certification in HIPAA & secure coding practices
- ✓ Regular third-party application security audit

Trayt Psychiatry Access Solution Overview

- Single end-to-end system to track and report state and program metrics
- Workflow & care coordination, documentation & reporting, population health insights



Coordinated Access Across Programs

Single Statewide Provider Database to Facilitate Program Collaboration

HUB NAME | Hub Staff | Clinics | PCPs | **Consults** | Insights | Dr. Stephen

Consultations

CURRENT | ARCHIVED

Last Updated: 6 minutes ago

Search by Status, Program, Provider Name, or Consult Role

Consult Status	Program	Call Purpose	Provider Name	Consult Role	Call Timer	Actions
Awaiting Consult	CPAN	Assessment Transferred to: BCM	Hebert, Routesingle	Psychatrist	2 hours ago	<input type="button" value="Continue Call"/>
Awaiting Consult	CPAN	Behavioural Management Transferred to: BCM	Black, Marvin	Therapist	1 week ago	<input type="button" value="Continue Call"/>
Awaiting Consult Provider Unavailable	CPAN	Assessment, Diagnosis	Black, Marvin	Therapist	1 callback attempt 10 months ago	<input type="button" value="Continue Call"/>
In Progress	PeriPAN	Medication Management	Black, Marvin	Psychatrist	1 week ago	<input type="button" value="Continue Call"/>
Awaiting Consult	PeriPAN	Assessment	Resource Coordinator	Psychatrist, Therapist	1 week ago	<input type="button" value="Continue Call"/>
Awaiting Consult	PeriPAN	Assessment	Black, Marvin	HRI Leadership	10 Months ago	<input type="button" value="Continue Call"/>
Awaiting Referral	PeriPAN	Assessment	Black, Marvin	Therapist	2022-02-21 6:15 AM - 6:45 AM	<input type="button" value="Continue Call"/>

Call Form Part 2: Consultation Notes

Behavioral Consultation
 Chief Complaints
 Diagnosis
 Therapist
 Medications
 Diagnosis Recommendations
 Medication Recommendations
 Diagnostic Recommendations
 Referral Outcome
 Additional Consultation

Program Behavioral Consultation
PeriPAN Last updated 02/20/2020 by Jane Smith, Physician, Austin Health Clinic, janessmith@austinhealth.com
Chief Complaints Add Chief Complaint
Diagnosis Add Diagnosis
Therapists Last Name, First Name
Medications Add Medication
 Medical consultation notes (optional)

Call Form Part 1: Triage

Recommended Result
 I will continue with clinical consultation
 Assign to someone else
 Assign to Program
 CPAN
 PeriPAN
 Therapist
 Psychiatrist
 Resource Coordinator
 Transfer Consult to Hub (optional)

Roles & Permissions Based Logic

Governs access to PHI

	Register Providers & Clinics	View Directories	Consult Dashboards	Call Form Part 1 (Triage)	Call Form Part 2 (Behavioral)	Resources & Referrals	View Consult Records	Insights & Analytics	Staff Management
Leader	✓	✓	✓					Dashboard, key metrics & directory rpt	✓
Administrator	✓	✓	✓					Dashboard, key metrics & directory rpt	✓
Psychiatrist	✓	✓	✓	✓	✓	✓	✓		
Therapist	✓	✓	✓	✓	✓	✓	✓		
Resource Coordinator	✓	✓	✓	✓	View only	✓	View only		
Analyst		✓						Dashboard, key metrics & directory rpt	
Data Manager		✓						All	
FDSR	✓	✓	✓	✓					

Proposed PCP Portal and Platform improvements

1. Work assignments and tracking consultations to ensure timely response
2. Data linking PCP utilization and automated reminders for the program to assist teams' outreach
3. eRequests for consults
4. Standardized assessments
5. Document sharing (library of resources)
6. Referrals and resources
7. Consult summary
8. Insights
9. CME credits



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eRequests and Track Consults

Call Form Part 1 : Triage

Provider Information

Last Name
Collin

First Name
Kathy

Role
Physician

Type
GP/Family Doctor

Clinic Name
Austin Health

Show All Information

Patient Information

Is this call regarding a specific patient? *

Yes No

Emergency Concern

Is this call concerning an emergency? *

Yes No Unsure

Emergency concern notes (optional)

Additional notes about the emergency concern patient might have.

Call Purpose

Select all that apply *

Assessment

Diagnosis

Behavioral Management

Medication Management

Referral Assistance

General Resources

Substance Use

Presenting concern notes (optional)

Additional notes about the patient and their concerns that might help in the consultation.

Consults CME Credits Insights

Consultations

CURRENT ARCHIVED

Search Consults

Search by Status, Program or Call Purpose

Consult Status	Call Purpose	Consult Role	Call Schedule
Assessment received	Assessment	Psychiatrist	2023-07-21 7:20 AM - 7:40 AM
Awaiting call back	Medication management	Psychiatrist	2023-07-21 9:00 AM - 9:30 AM
Assessment sent	Assessment	Psychiatrist	2023-07-22 8:00 AM - 8:30 AM
Assessment sent	Assessment	Psychiatrist	2023-07-22 11:15 AM - 11:45 AM

Knowledge Library & Document Sharing

TCHATT Staff Referrals Services Patients Documents Insights Trayt Help Dr. Stephen

HRI Documents

Search by document name + Upload Document

<input type="checkbox"/>	File Name	Label	Uploaded By	File Size	Actions
<input type="checkbox"/>	BCM_consents_roi.pdf	Consent	Feb 12, 2022 by April Hishinuma	13 KB	⋮
<input type="checkbox"/>	IEP_doc.docx	IEP	Feb 12, 2022 by April Hishinuma	13 KB	⋮
<input type="checkbox"/>	depression_edu.docx	Education	Feb 12, 2022 by April Hishinuma	13 KB	⋮
<input type="checkbox"/>	BCM consent.pdf	ROI/Consents	Feb 22, 2022 by April Hishinuma	1.4 MB	⋮
<input type="checkbox"/>	IEP Document.pdf	IEP	May 03, 2022 by Joseph Will	13 KB	⋮

Rows per page: 5 1-5 of 5

Document(s) Uploaded

Mental Health & Counseling
PO Box 208237
New Haven, CT 06520-8237
Phone: 203-432-0290 Fax: 203-432-8458

AUTHORIZATION FOR RELEASE OF MENTAL HEALTH RECORD

(Also known as Protected Health Information)

I authorize Yale Health Department of Mental Health & Counseling to use or disclose information from my mental health record, which may include information about psychiatric diagnosis and treatment and substance abuse issues

PATIENT NAME: _____ Date of Birth: _____
Address (Mailing): _____ Phone: _____

Name: _____
Address: _____
Phone: _____
FAX: _____

Dates of Treatment: _____

Information to be released (Please describe): _____

Purpose of Disclosure: _____

- I understand that, unless withdrawn, this authorization will expire 180 days from the date of signature. A photocopy of this form will be considered as valid as the original.
- I understand that I may revoke this authorization at any time by notifying the Department of Mental Health & Counseling at the address indicated above, in writing, and this authorization will cease to be effective on the date notified except to the extent action has already been taken in reliance upon it.
- I understand that information used or disclosed pursuant to this authorization may be subject to re-disclosure by the recipient and no longer be protected by Federal privacy regulations. However, other state or federal law may prohibit the recipient from disclosing specially protected information, such as substance abuse treatment information and mental health information.
- I understand that my refusal to sign this Authorization will not jeopardize my right to obtain present or future treatment for psychiatric disabilities except where disclosure of the information is necessary for the treatment.
- My health care and payment for my health care at Yale Health Center will not be affected if I do not sign this form.
- I understand that I can request a copy of this form after I sign it.
- I understand that in compliance with CT general statute, I will pay a fee of \$0.65 per page.

By signing below, I acknowledge that I have read and understand this Authorization.

Signature of Patient _____ Date _____
OR
Parent/Legal Guardian/Authorized Person _____ Date _____
Relationship to Patient _____

Signature of Patient _____ Date _____
OR
Parent/Legal Guardian/Authorized Person _____ Date _____
Relationship to Patient _____

Consult Summary

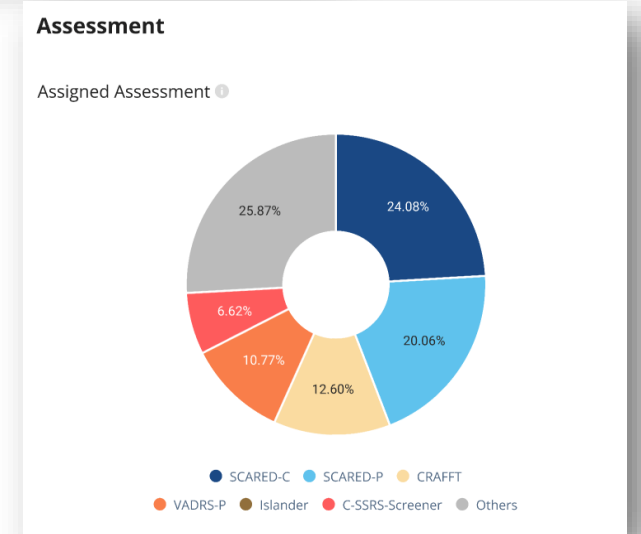
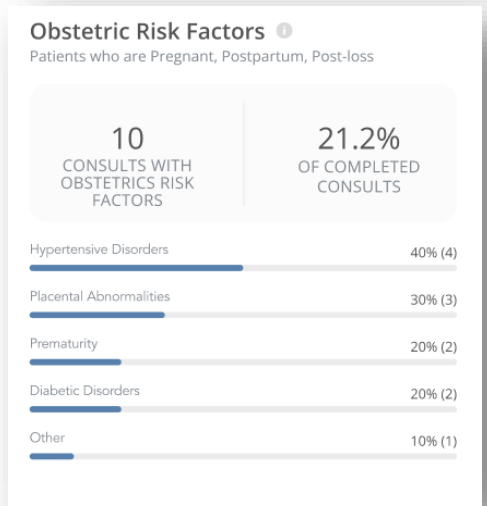
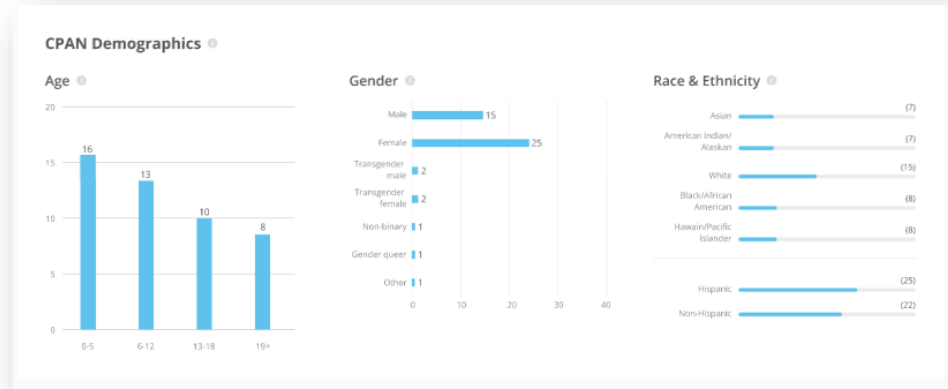
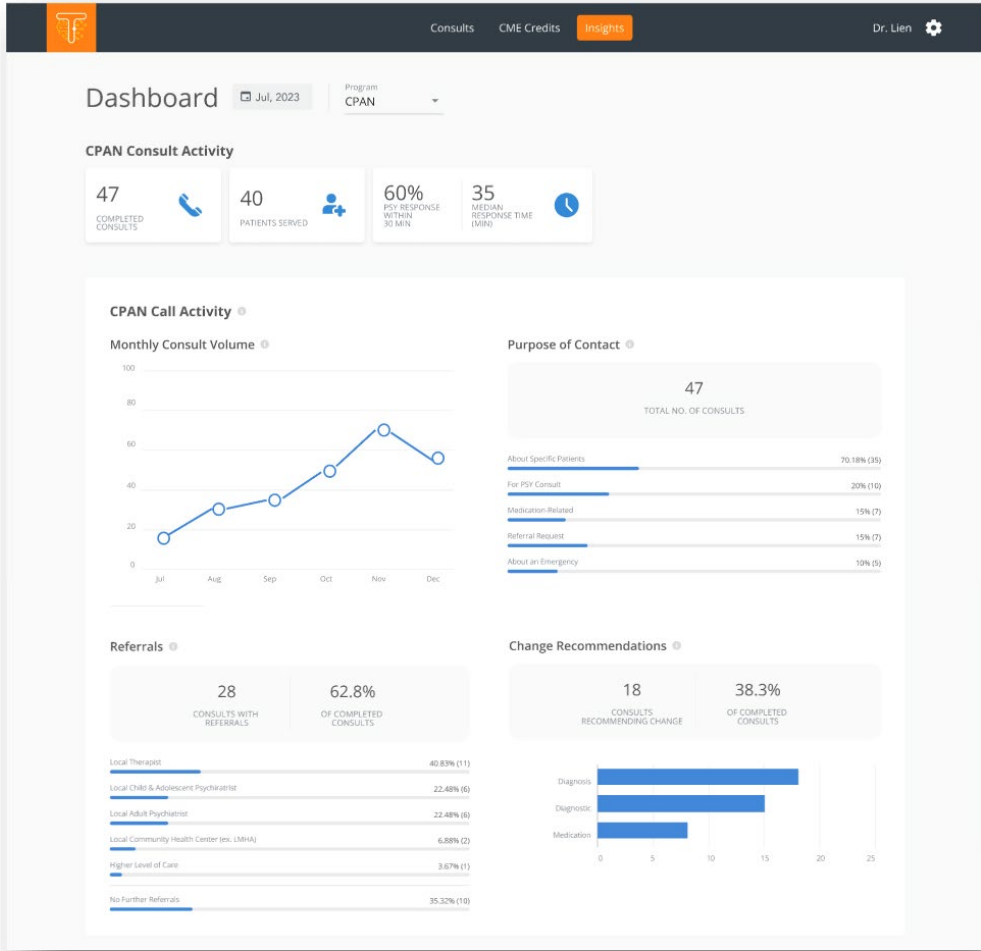
x Access Consult Summary

Access Consult Summary

• Started: 02/20/2023 • Completed: 02/20/2023

Programs Consulted	CPAN	
Care Team	Seen by Sarah McLaughlin - Therapist Donnie Crager - Psychiatrist	
Providers Details	Full Name Zoila Graham Clinic Bodhi Clinic	Role Physician Email zoila.g@gmail.com
Patient Details	Full Name Jane Doe Date of Birth 05/12/2008	Gender Male MRN ---
Patient Status	Patient OB Status Pregnant Breastfeeding Planning to Most recent pregnancy outcome • Singleton • Stillbirth • Twin (2)	Gestational Age (weeks) 8 weeks Pregnancy risks • Gestational hypertension • Chronic hypertension
Call Purpose	Selected • Diagnosis • Behavioral Management	
Behavioral Consultation	Chief Complaints • Hyperactivity • Poor attention span • Indecisiveness	

Patient Reports & Insights



CME Credits

The screenshot shows a web application interface for tracking CME credits. At the top, there is a navigation bar with a logo on the left, and links for 'Consults', 'CME Credits', and 'Insights' in the center. On the right of the navigation bar, it says 'Dr. Lien' next to a settings gear icon. Below the navigation bar, the main content area is titled 'My CME Tracker' with a calendar icon and 'Jul, 2023'. There are two main sections: 'New CME Offerings' and 'Completed CME Courses'. Each section contains a table with columns for Date, Description, Specialty, and Credits.

My CME Tracker Jul, 2023

New CME Offerings

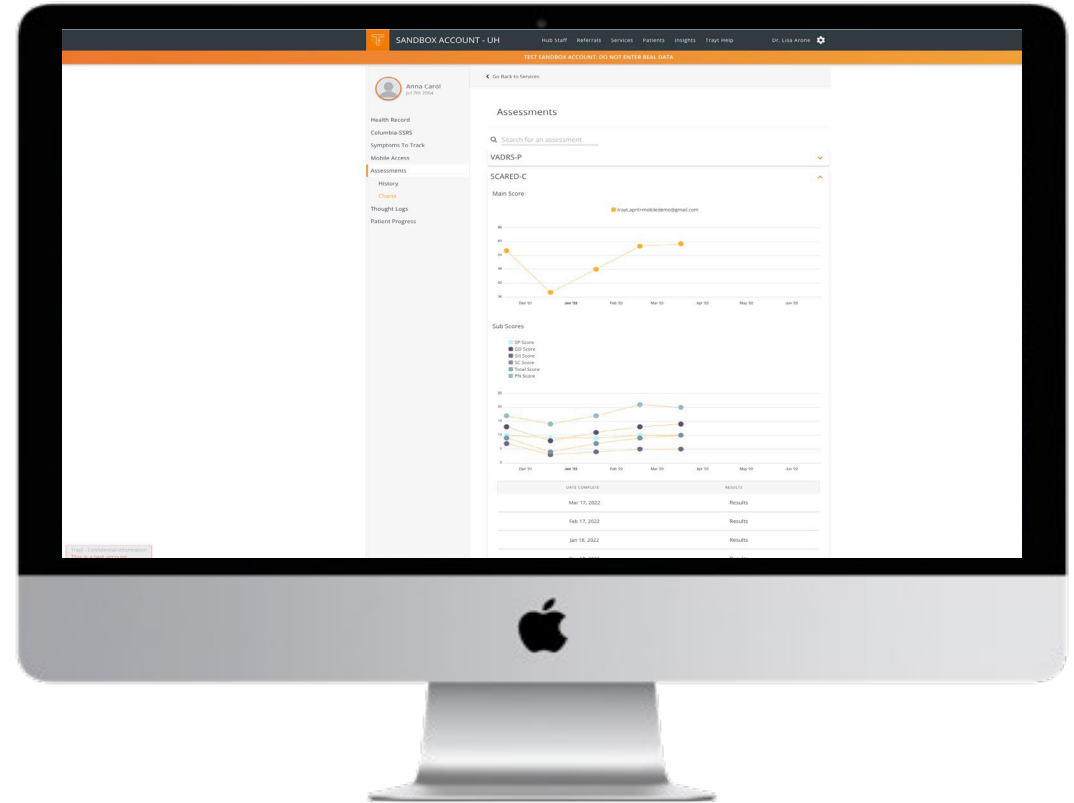
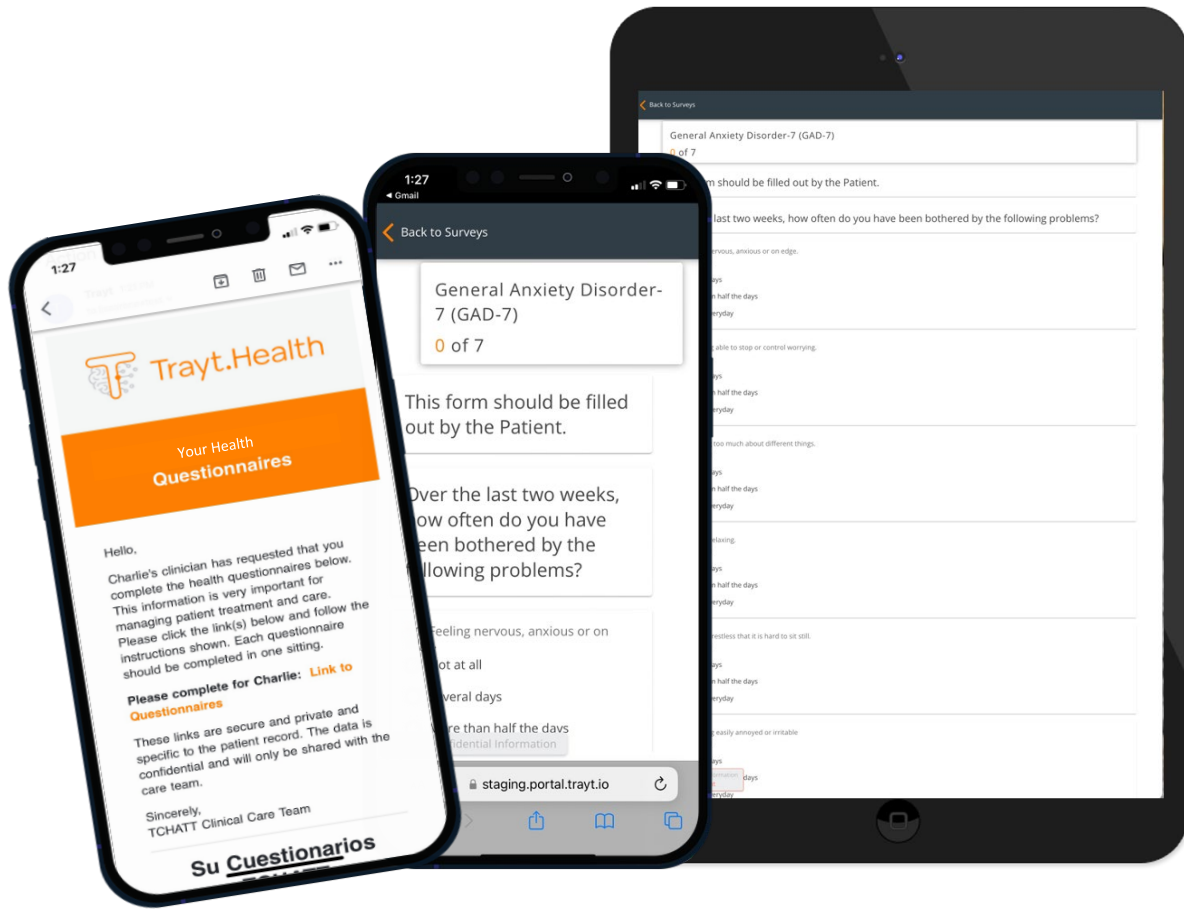
Date	Description	Specialty	Credits
07-20-2023	Mental Health Care: Real-World Tactics to Address Health Inequities	Primary Care	0.5
07-13-2023	A Novel Approach to Schizophrenia Treatment: What You Need to Know About TAAR1 Agonists	Primary Care	1.0
07-07-2023	Advancing Patient Care in Bipolar Depression	Primary Care	1.0
07-02-2023	Personalizing the Management of Idiopathic Hypersomnia: Considerations for the Patient	Primary Care	1.0
06-01-2023	New Options in Schizophrenia Management	Primary Care	0.5

Completed CME Courses

Date Earned	Activities	Specialty	Credits
07-20-2023	Mental Health Care: Real-World Tactics to Address Health Inequities	Psychiatry	0.5
07-13-2023	A Novel Approach to Schizophrenia Treatment: What You Need to Know About TAAR1 Agonists	Psychiatry	1.0
07-07-2023	Advancing Patient Care in Bipolar Depression	Psychiatry	1.0
07-02-2023	Personalizing the Management of Idiopathic Hypersomnia: Considerations for the Patient	Psychiatry	1.0
06-01-2023	New Options in Schizophrenia Management	Psychiatry	0.5
07-01-2023	New Options in Schizophrenia Management	Psychiatry	1.0

Digital Standardized Measures

Accessible, automated data collection, scoring, and longitudinal tracking



Robust Library of Most Common Standard Measures

Currently in the application in both English and Spanish:

- Buss Perry Aggression Questionnaire (BPAQ)
- Child Mania Rating Scale (CMRS Parent Version)
- Columbia Suicide Severity Rating Scale Screening (C-SSRS-Screener)
- CRAFFT +N Questionnaire
- CY-BOCS Self-Report Symptoms Checklist
- Eating Attitudes Test (EAT-26)
- Eating Attitudes Test (EAT-40)
- Frequency and Intensity of Burden of Side Effects Rating (FIBSER)
- General Anxiety Disorder (GAD-7)
- Patient Health Questionnaire (PHQ)
- Patient Health Questionnaire-9 (PHQ-9)
- Patient Health Questionnaire-9 Modified for Teens (PHQ-9-A)
- Screen for Child Anxiety Related Disorders - Child Version (SCARED-C)
- Screen for Child Anxiety Related Disorders - Parent Version (SCARED-P)
- CY-BOCS Severity Ratings
- Emotional Outburst Inventory (EMO-I)
- Patient Adherence Questionnaire (PAQ)
- Quick Inventory of Depressive Symptomatology (QIDS-A17 Parent)
- Sleep Quality Assessment (PSQI)
- Stanley-Brown Safety Plan
- Child & Adolescent Trauma Screen (CATS) 7-17 Years (Self-report)
- Child & Adolescent Trauma Screen-Caregiver (CATS-C) 7-17 Years
- Child & Adolescent Trauma Screen-Caregiver (CATS-C) 3-6 Years
- The Columbia Impairment Scale (Parent and Youth)
- SNAP-IV Parent & Teacher
- Vanderbilt ADHD Diagnostic Rating Scale - Parent Version (VADRS-P)
- Vanderbilt ADHD Diagnostic Teacher Rating Scale (VADRS-T)
- CPSS-V SR
- Quick Inventory of Depressive Symptomatology (QIDS-A17 Child, English)
- Quick Inventory of Depressive Symptomatology (QIDS-A17 Parent Version, English)
- Modified Overt Aggression Scale (MOAS)



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DEMO of Features for the CPAN Program



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Thank You and Questions?