

Linking Multi-Disciplinary Assessment Information Toward Whole Child Service Coordination and Care

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MENTAL HEALTH DATA ALLIANCE

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NEW INITIATIVE: OPEEKA



Key Topics Covered

- ▶ System of Care – Technologically Actualized
- ▶ Data Interoperability
- ▶ Shared Data
- ▶ AB 2083 – Removing technology barriers
- ▶ Health Equity



Introduction/Disclosures

▶ **Kate Cordell, PhD, MPH**

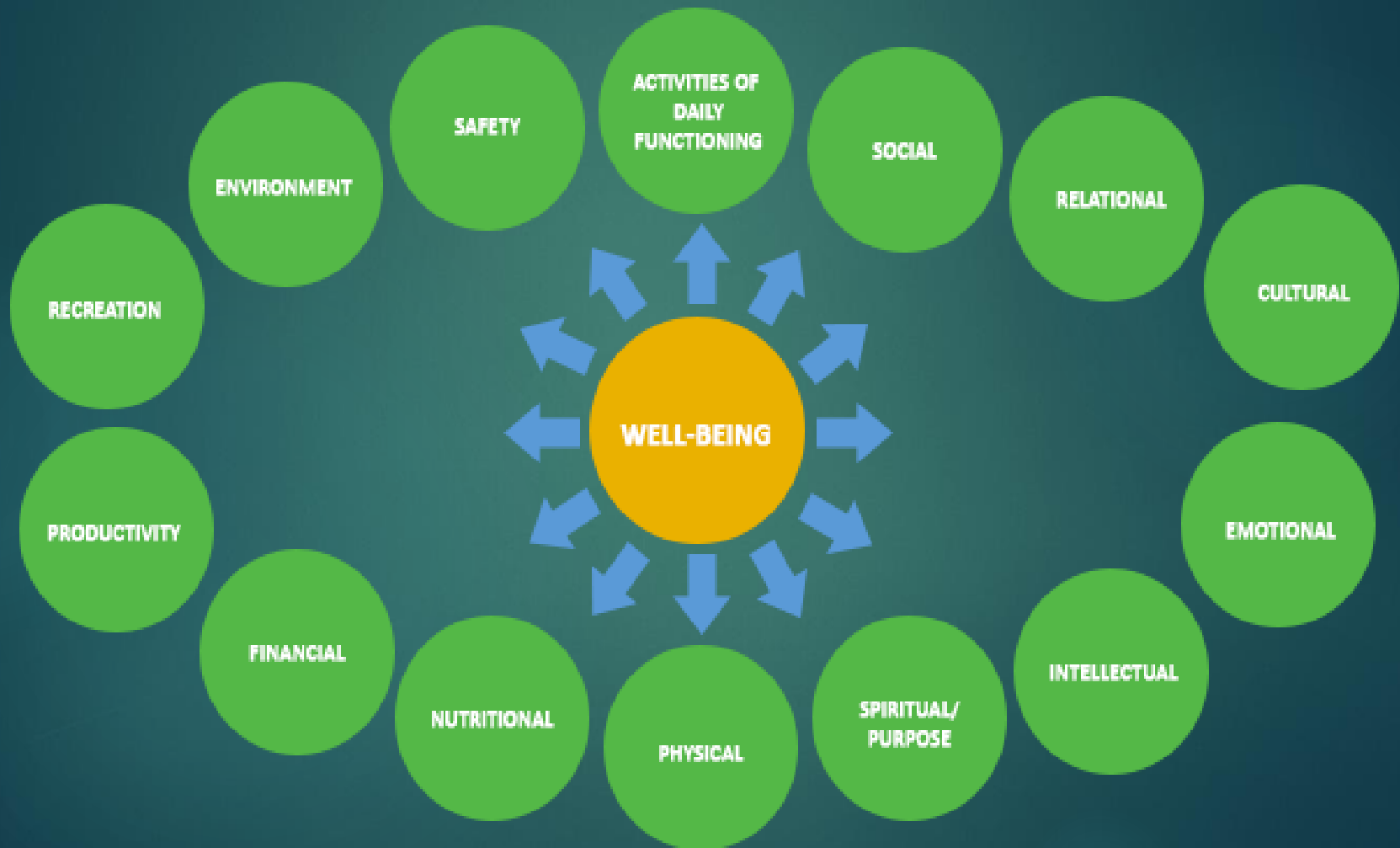
- Managing Director, Mental Health Data Alliance
- Co-Founder, Opeeka
- Assistant Professor, University of Kentucky,
Center for Innovation in Population Health (IPH)

▶ **Goals:**

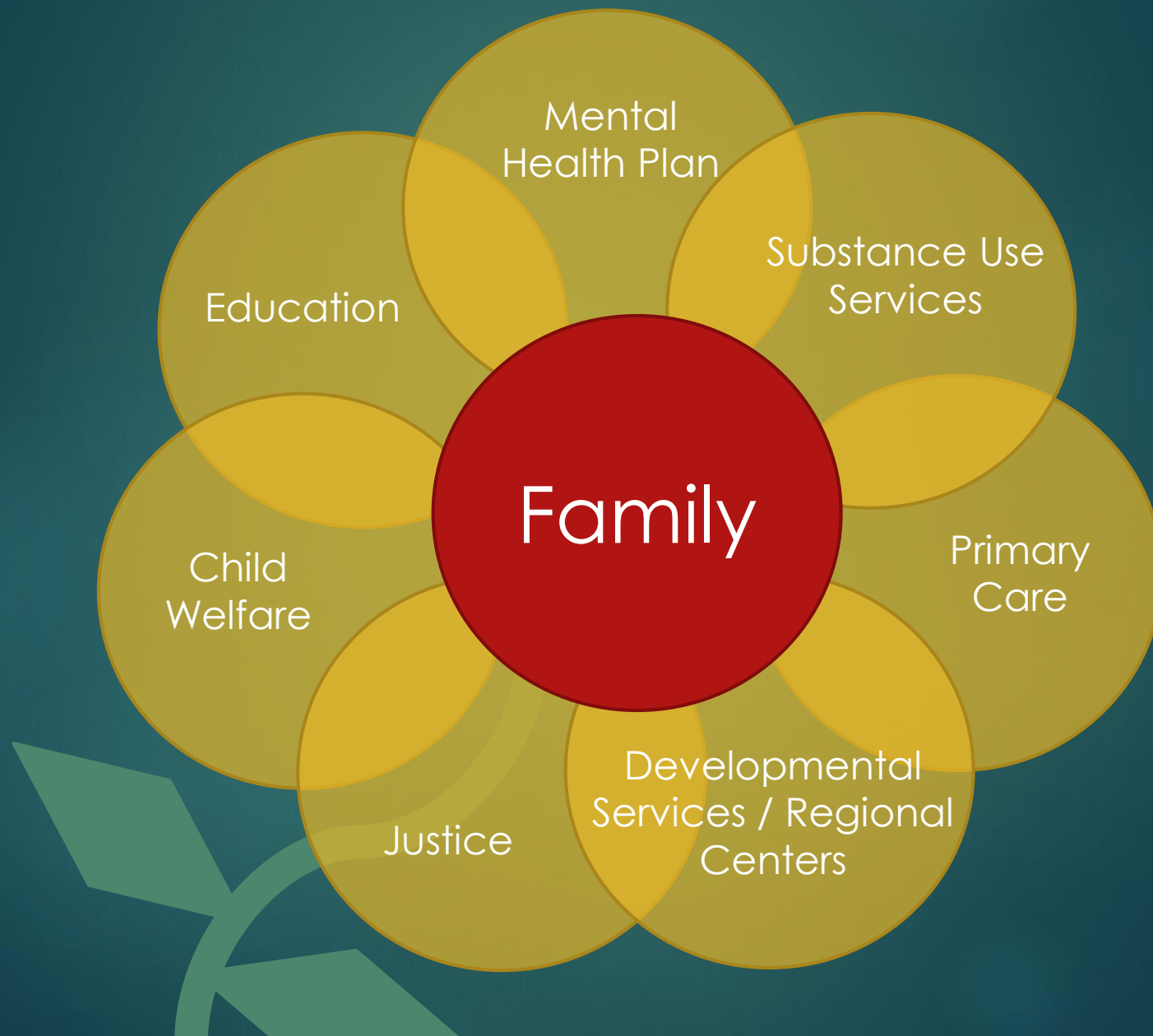
- ▶ Improve the use of information to support person-centered care
- ▶ Evaluate when individuals and families improve during care
- ▶ Identify what works for whom
- ▶ Develop a movement for Success-Focused Artificial Intelligence (SF-AI)
- ▶ Remove institutional biased decision processes from care



What is the Whole Child?



System of Care



Mental Health Plan

Substance Use Services

Primary Care

Family

Developmental Services / Regional Centers

Justice

Child Welfare

Education

System of Care



MENTAL HEALTH
DATA ALLIANCE

A spectrum of effective, community-based services and supports for children and youth with or at risk for mental health or other challenges and their families, that is **organized into a coordinated network with a supportive infrastructure**, builds meaningful partnerships with families and youth, and addresses their cultural and linguistic needs, in order to help them to function better at home, in school, in the community, and throughout life.

Stroul, B. a, & Blau, G. M. (2010). Defining the system of care concept and philosophy: to update or not to update? *Evaluation and Program Planning*, 33(1), 59–62. doi:10.1016/j.evalprogplan.2009.06.003 (Page 61)

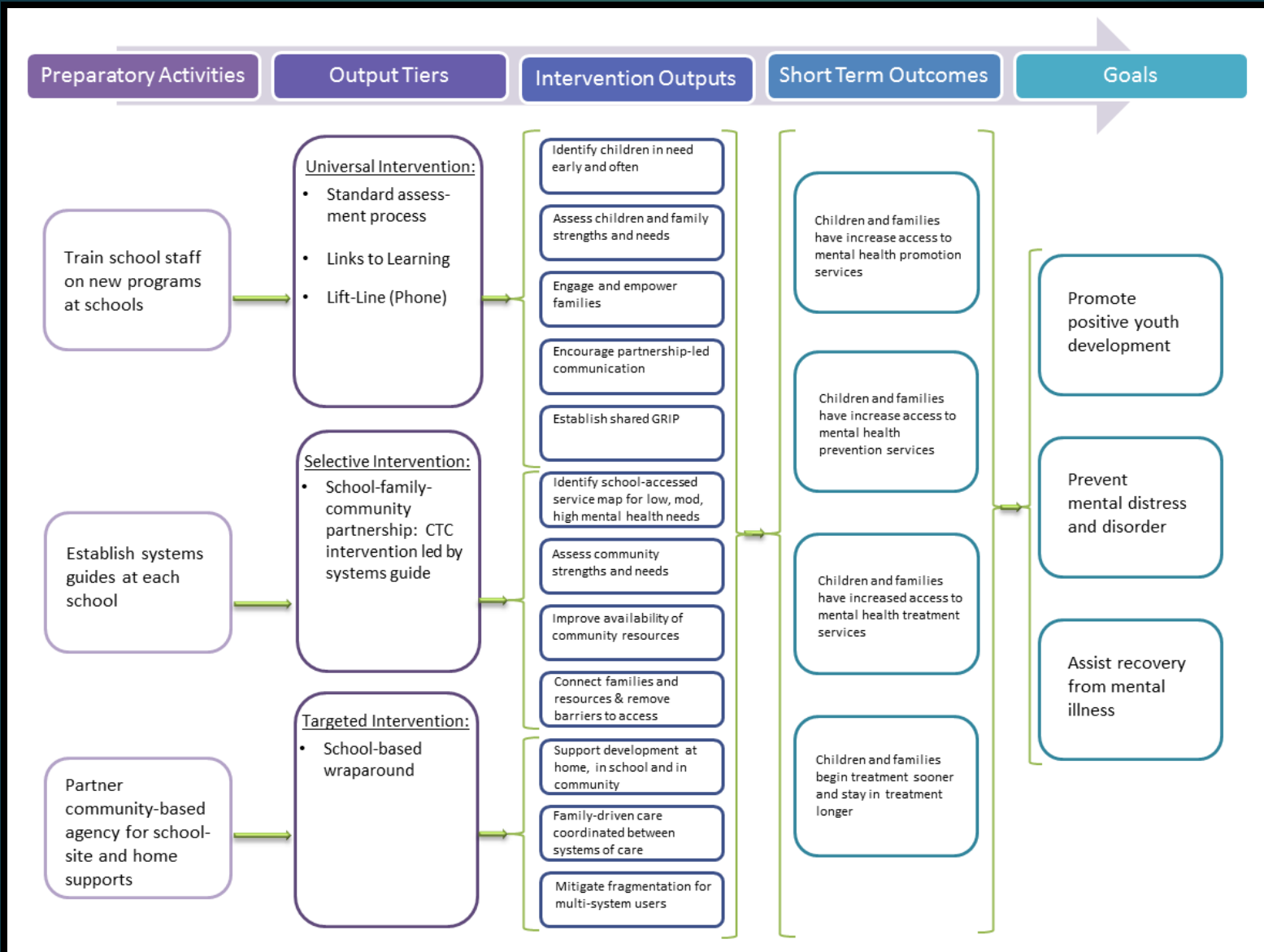
A systems of care for children's mental health necessitates **collaboration** between at least six formal service-providing agencies/sectors: education, specialty mental health, substance abuse, child welfare, juvenile justice, and medical healthcare.

Kazak, A. E., Hoagwood, K., Weisz, J. R., Hood, K., Kratochwill, T. R., Vargas, L. a, & Banez, G. a. (2010). A meta-systems approach to evidence-based practice for children and adolescents. *The American Psychologist*, 65(2), 85–97. doi:10.1037/a0017784

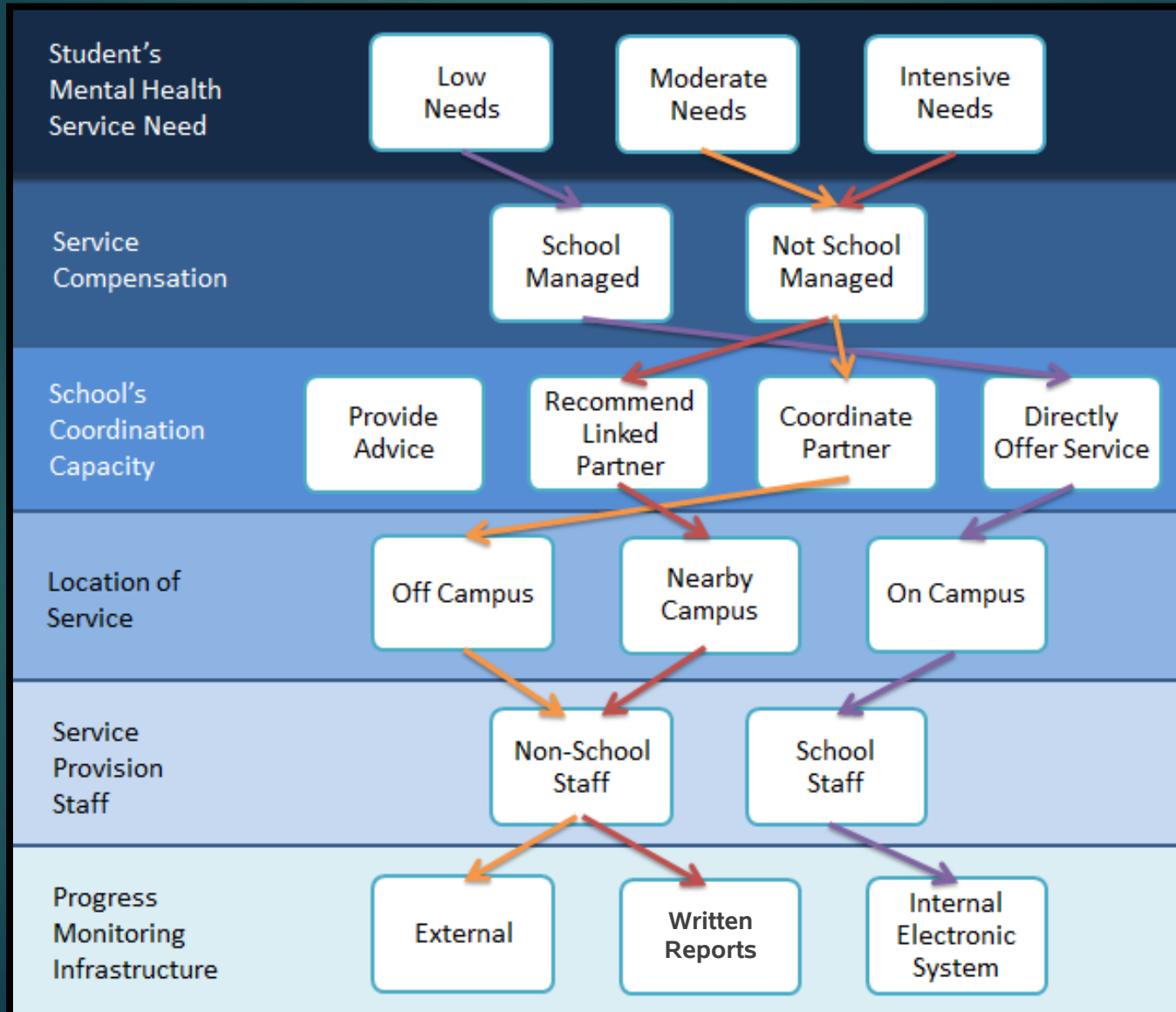
A systems of care approach is dependent on establishing **a shared set of responsibilities, expectations and goals** between all six sectors.

Hodges, S., Ferreira, K., & Israel, N. (2012). "If We're Going to Change Things, It Has to Be Systemic:" Systems Change in Children's Mental Health. *American Journal of Community Psychology*, 49(3-4), 526–537. doi:10.1007/s10464-012-9491-0

School-Family-Community Partnership



School Partnered Care Today



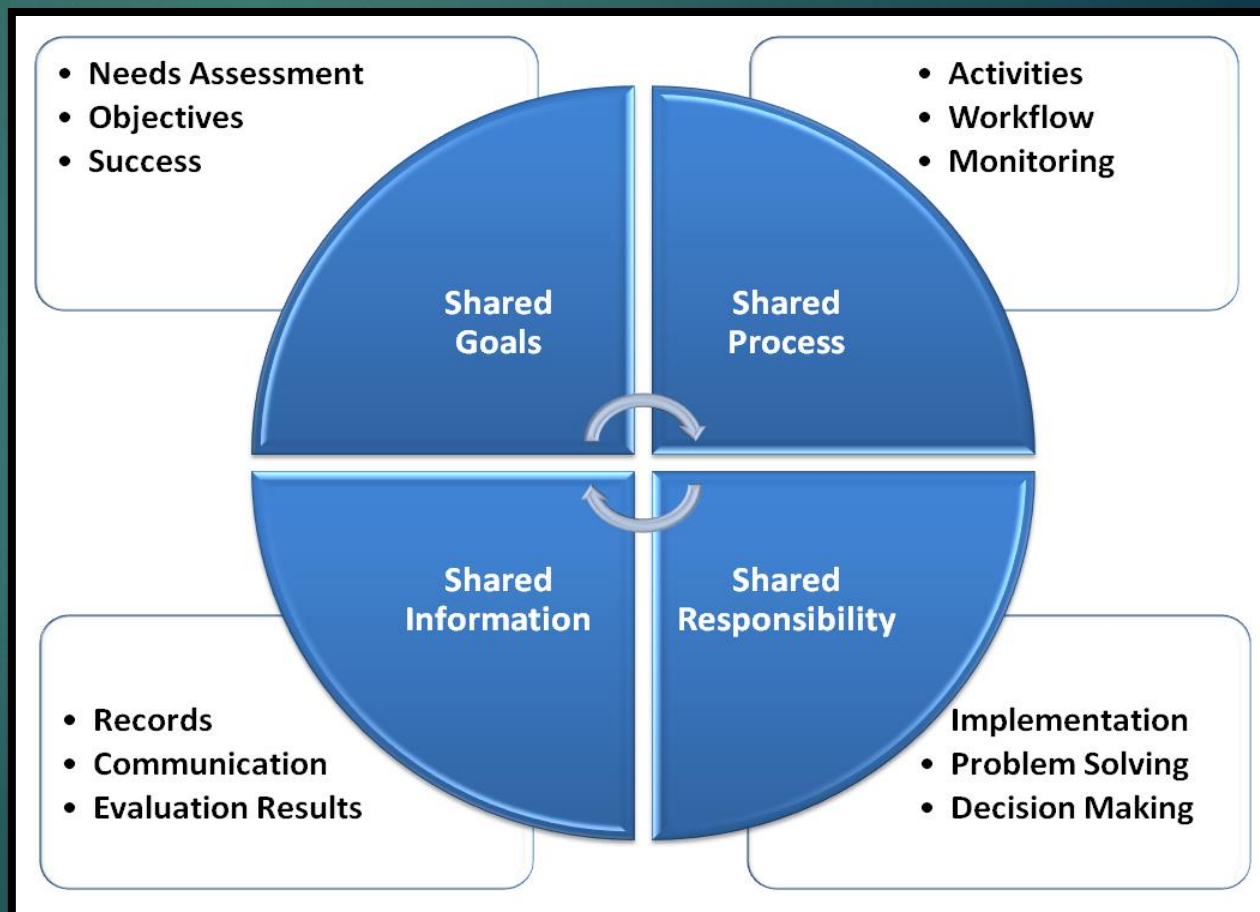
Shared GRIP

G - Goals

R - Responsibility

I - Information

P - Process



System of Care



MENTAL HEALTH
DATA ALLIANCE

Education

Mental
Health Plan

Substance Use
Services

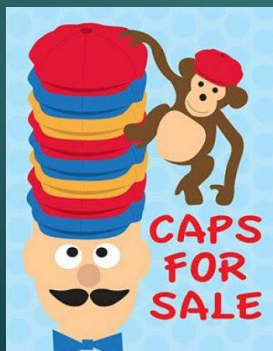
Child
Welfare

Justice

Developmental
Services / Regional
Centers

Primary
Care

Family





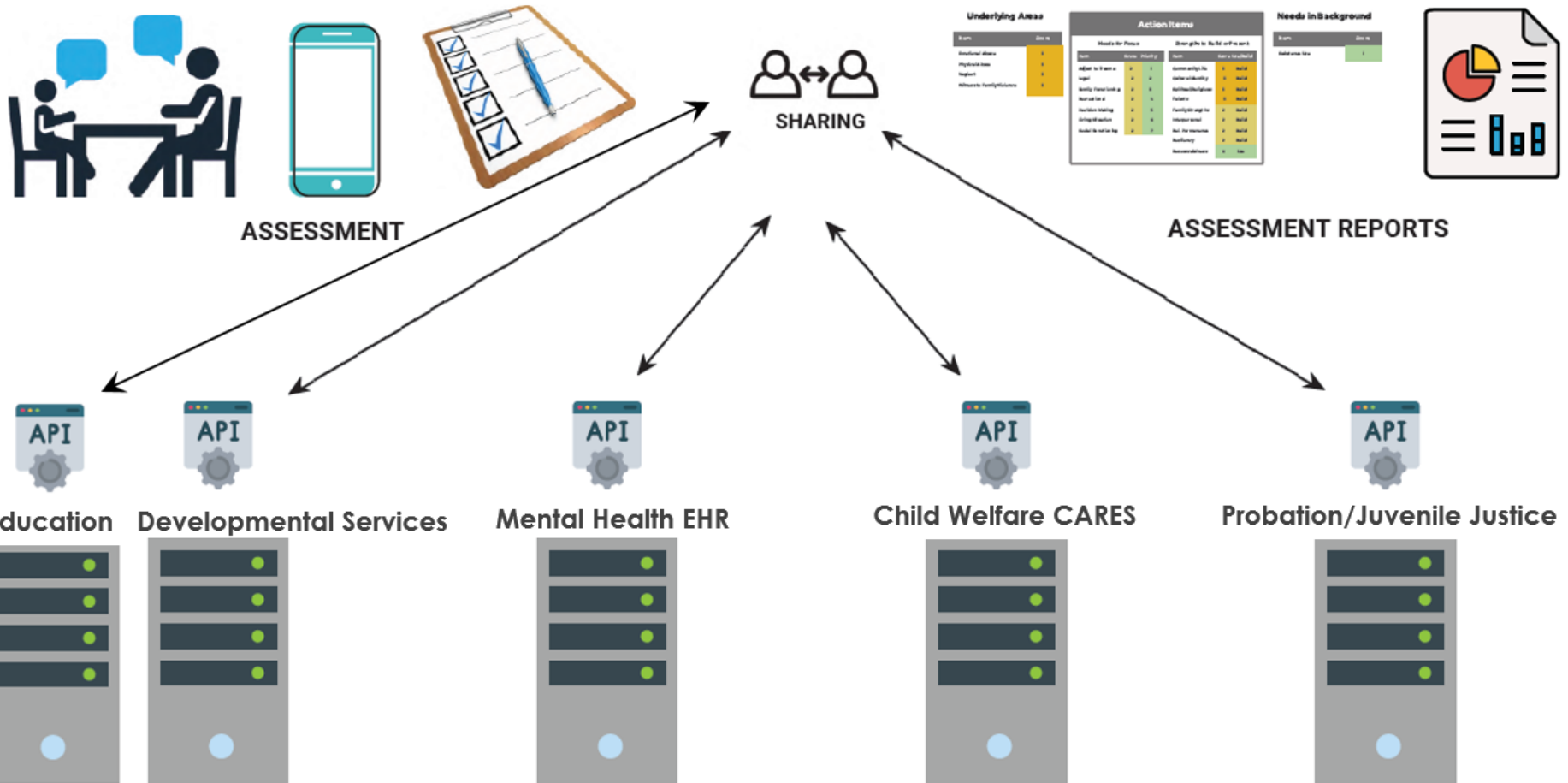
Thought Experiment

What would a perfect world with shared **GRIP** look like?

- ▶ How do we create shared goals?
- ▶ How do we effectively share responsibility?
- ▶ How do we share information?
- ▶ How can we create complimentary processes?

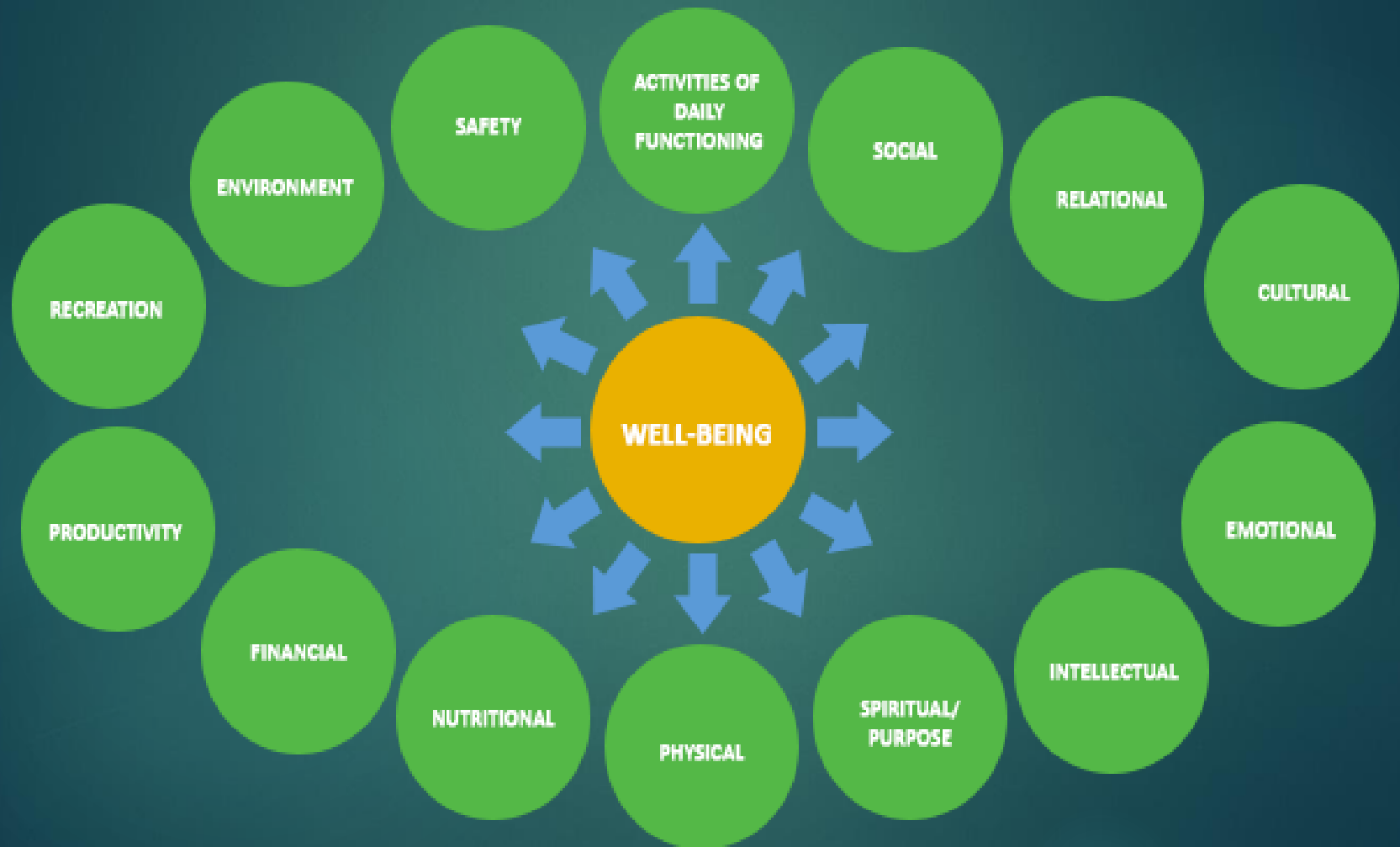


What if we Shared Assessments?





The Whole Child

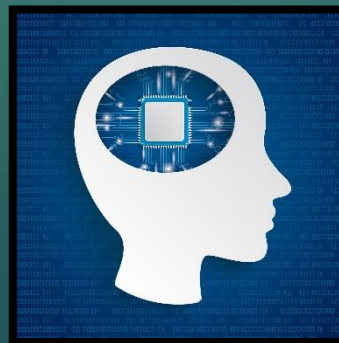




Assessments – Why?

- ▶ Assessment: “the evaluation or estimation of the nature, quality, or ability of someone or something”
- ▶ Used by Schools, Child Welfare, Juvenile Justice, Developmental Services, Mental Health, Behavioral Health, Primary Care
- ▶ Surveys, questionnaires and assessments are the **only approved means for measuring** behavioral health outcomes

England, M. J., Butler, A. S., & Gonzalez, M. L. (2015). Psychosocial Interventions for Mental and Substance Use Disorders. A Framework for Establishing Evidence-Based Standards. (Institute of Medicine, Ed.). Washington: The National Academies Press.





What are Assessments Used For?

- ▶ Screening
- ▶ Referral
- ▶ Placement and Level of Care Determination
- ▶ Staffing Match (e.g., matching person to staff by language, needs, training/skill)
- ▶ Goal Setting
- ▶ Safety Planning
- ▶ Action Planning
- ▶ Service Selection
- ▶ Treatment Planning
- ▶ Progress Tracking
- ▶ Outcomes Management
- ▶ Program Completion Decisions
- ▶ Transition Planning
- ▶ Program Evaluation
 - Fidelity
 - Effectiveness

CALIFORNIA INTEGRATED PRACTICE—CHILD AND ADOLESCENT NEEDS AND STRENGTHS						CA IP-CANS
Child's Name: Marco White		DOB: 5/2/2005	Gender: Male	Race/Ethnicity: White/Latino		
Caregiver(s): Betty White		Form Status: <input type="checkbox"/> Initial <input type="checkbox"/> Reassessment <input type="checkbox"/> Discharge	Case Name:			
Assessor:		Case Number:	Date of Assessment (dd/mm/yyyy):			

BEHAVIORAL/EMOTIONAL NEEDS DOMAIN			
0 = no evidence	1 = history or suspicion; monitor		
2 = interferes with functioning; action needed	3 = disabling, dangerous; immediate or intensive action needed		
0	1	2	3
1. Psychosis (Thought Disorder)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Impulsivity/Hyperactivity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Depression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Anxiety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Oppositional	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Conduct	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Substance Use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Anger Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Adjustment to Trauma	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CULTURAL FACTORS DOMAIN			
0 = no evidence	1 = history or suspicion; monitor		
2 = interferes with functioning; action needed	3 = disabling, dangerous; immediate or intensive action needed		
0	1	2	3
29. Language	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Traditions and Rituals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Cultural Stress	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LIFE FUNCTIONING DOMAIN			
0 = no evidence	1 = history or suspicion; monitor		
2 = interferes with functioning; action needed	3 = disabling, dangerous; immediate or intensive action needed		
0	1	2	3
10. Family Functioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Living Situation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Social Functioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Developmental/Intellectual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Decision Making	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. School Behavior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. School Achievement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. School Attendance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Medical/Physical	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Sexual Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Sleep	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RISK BEHAVIORS			
0 = no evidence	1 = history or suspicion; monitor		
2 = interferes with functioning; action needed	3 = disabling, dangerous; immediate or intensive action needed		
0	1	2	3
21. Suicide Risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Non-Suicidal Self-Injurious Behavior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Other Self-Harm (Recklessness)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Danger to Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Runaway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Sexual Aggression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Delinquent Behavior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Intentional Misbehavior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STRENGTHS DOMAIN			
0 = Centerpiece strength	1 = Useful strength		
2 = Identified strength	3 = No evidence		
0	1	2	3
32. Family Strengths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. Interpersonal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. Educational Setting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. Talents and Interests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. Spiritual/Religious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. Cultural Identity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38. Community Life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. Natural Supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. Resiliency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Youth has no known caregiver. Skip Caregiver Resources and Needs Domain.

CAREGIVER RESOURCES AND NEEDS			
A. Caregiver Name: _____			
B. Relationship: _____			
0 = no evidence	1 = history or suspicion; monitor; may be an opportunity to build		
2 = interferes with functioning; action needed	3 = disabling, dangerous; immediate or intensive action needed		
0	1	2	3
41a. Supervision	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42a. Involvement with Care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43a. Knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44a. Social Resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45a. Residential Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46a. Medical/Physical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47a. Mental Health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48a. Substance Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49a. Developmental	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50a. Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



W

36

Generalized Anxiety Disorder 7-item (GAD-7) scale

Over the last 2 weeks, how often have you been bothered by the following problems?

	Not at all sure	Several days	Over half the days	Nearly every day
1. Feeling nervous, anxious, or on edge	0	1	2	3
2. Not being able to stop or control worrying	0	1	2	3
3. Worrying too much about different things	0	1	2	3
4. Trouble relaxing	0	1	2	3
5. Being so restless that it's hard to sit still	0	1	2	3
6. Becoming easily annoyed or irritable	0	1	2	3
7. Feeling afraid as if something awful might happen	0	1	2	3
Total Score				

Add the score for each column

Total Score (add your column scores) = _____

If you checked off any problems, how difficult have these made it for you to do your work, take care of things at home, or get along with other people?

Not difficult at all _____

Somewhat difficult _____

Very difficult _____

Extremely difficult _____

Source: Spitzer RL, Kroenke K, Williams JBW, Lowe B. A brief measure for assessing generalized anxiety disorder. *Arch Intern Med.* 2006;166:1092-1097.



MENTAL HEALTH DATA ALLIANCE

HEALTH QUESTIONNAIRE

Post-Traumatic Stress Disorder Test - PC-PTSD-5 Screen

Recovery

Menu

PTSD-5

Worry

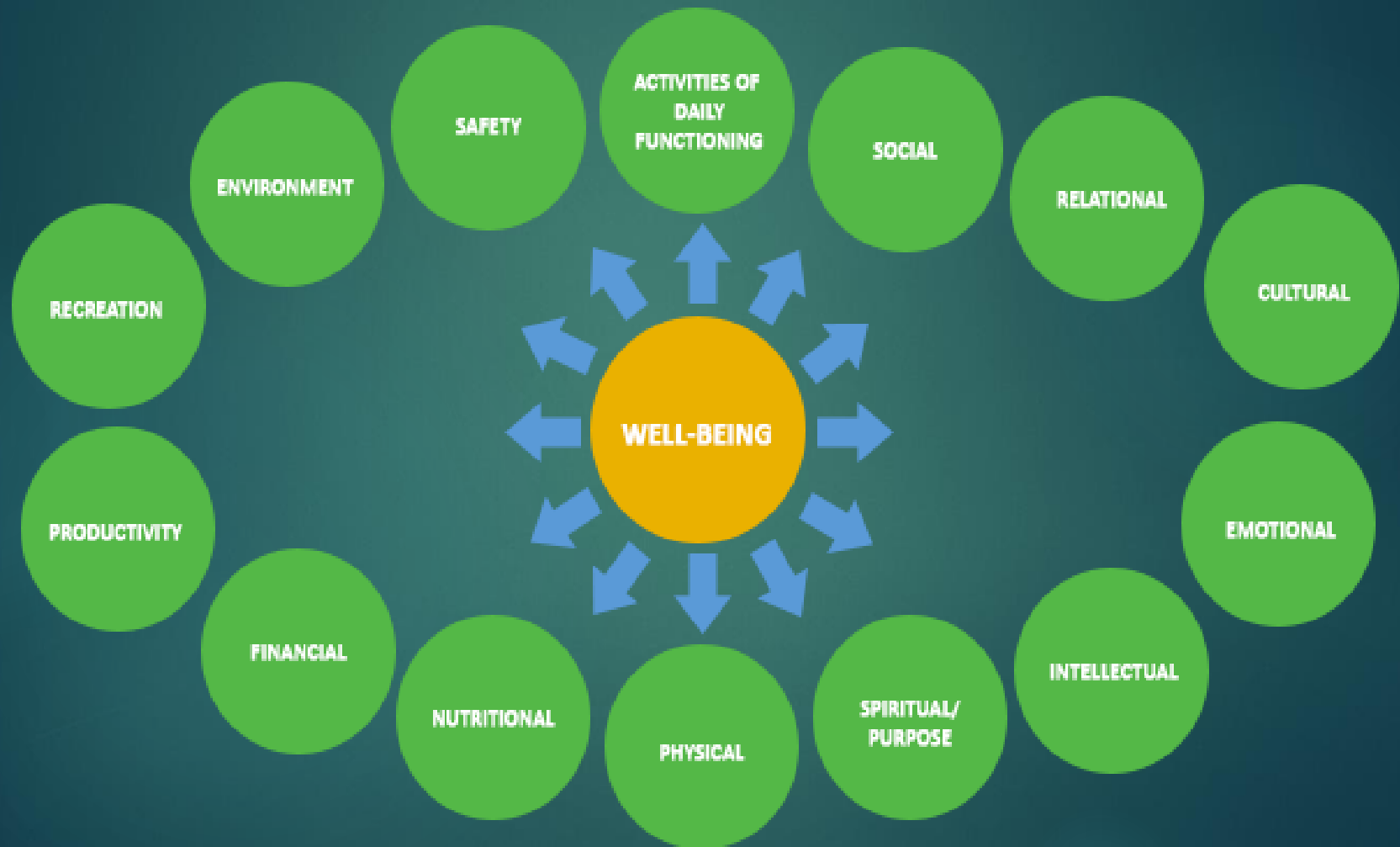
[Flourishing](#), Proceedings of the

8156.

Learn



The Whole Child





Project Goals

1. Collect all types of assessments in the same way
2. Store assessment data in standardized electronically accessible formats
3. Convert responses into meaningful information to support a shared process (P)



1. Provide continuous progress tracking over time (R)
2. Support any definition of success & provide real-time outcomes (G)
3. Share data across the system of care (I)



1. Automate evaluation and continuous quality improvement (CQI)
2. Ascertain what works for whom
3. Identify and remove institutionally biased decision processes



What Is Not Needed

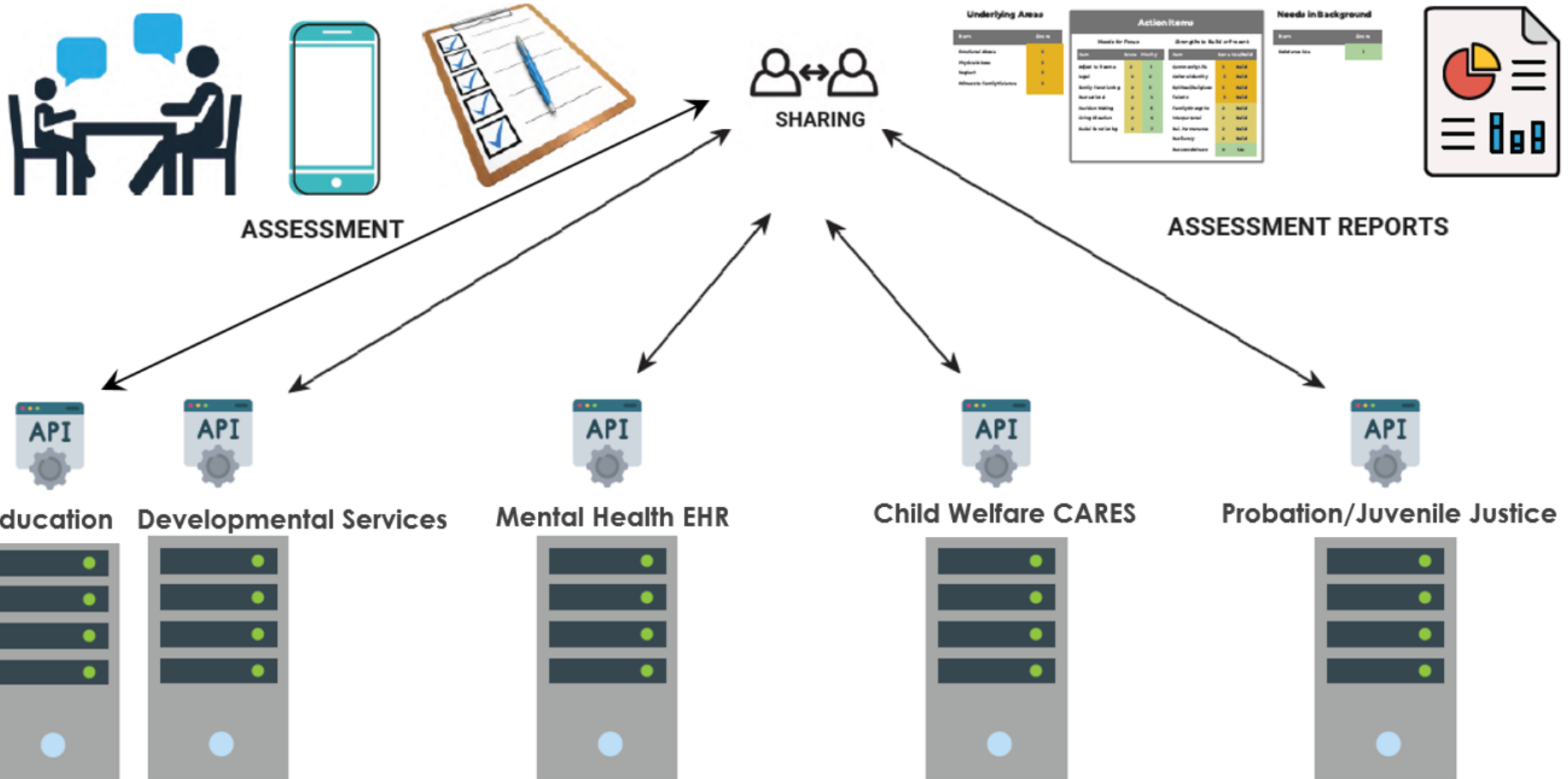
Not another Electronic Record System

- ▶ Specifically designed for a single entity process (not a shared process)
- ▶ Oriented toward achieving system's goals (not a person's goals)
- ▶ Tend to be rigid toward rules, doesn't adapt or grow as processes mature

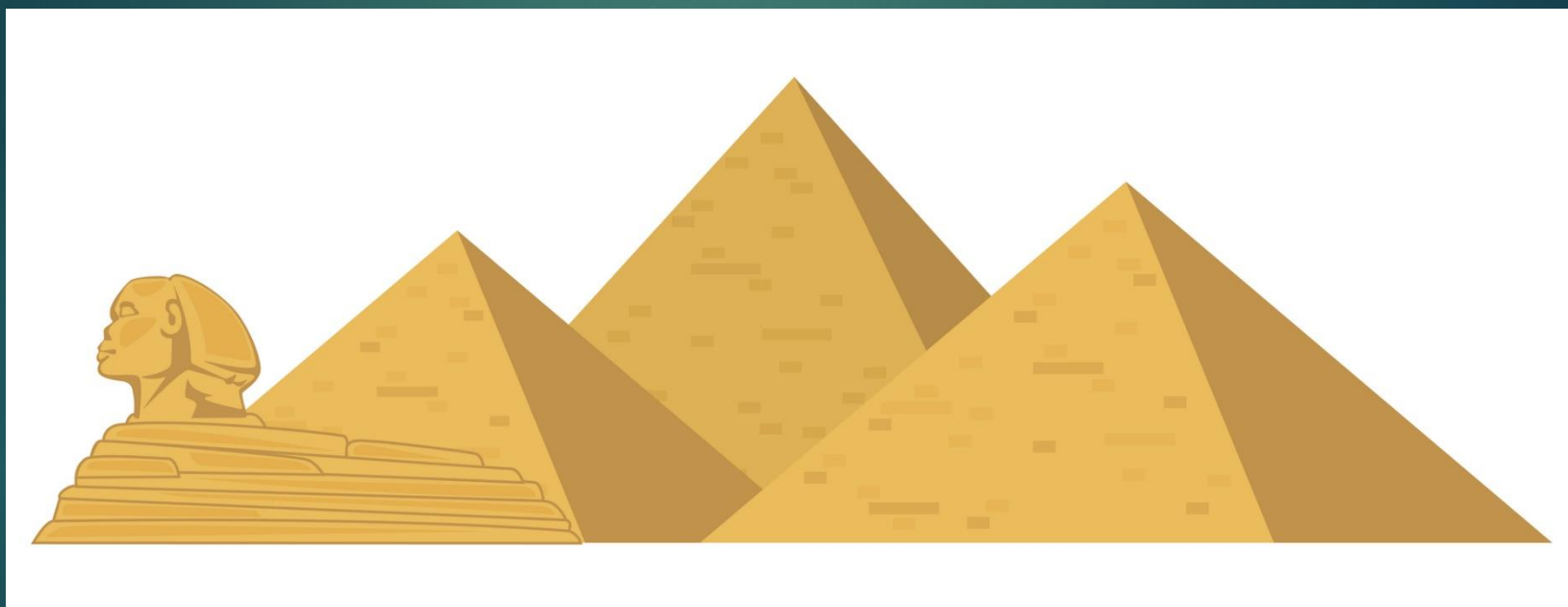
Not Survey Monkey (or the like)

- ▶ Support questions and answers
- ▶ One time (no change over time by individual)
- ▶ Responses can be scored for a sample, but that is it
 - ▶ Single question analysis
 - ▶ Little coordinated processing or visualization of information
 - ▶ Can't apply individual level screening rules or algorithms
- ▶ No infrastructure for sharing
- ▶ Not secure

Shared GRIP Via Shared Assessments



Who will build it?





1. Collect all types of assessments in the same way

Standardized Question Handling System

- | | |
|--------------------------|------------------------------|
| 1. Needs | Can Be Reduced |
| 2. Strengths | Can Be Built |
| 3. Traumatic Experiences | Not Modifiable / Preventable |
| 4. Past Behaviors | Not Modifiable |
| 5. Support Needs | Can Be Reduced |
| 6. Support Resources | Can Be Built |
| 7. Goals | Achievable |
| 8. Satisfaction | Can Be Improved |
| 9. Preferences | Can Vary Over Time |
| 10. Circumstances | Can Vary Over Time |



Needs Vs. Strengths

Gather all of the assessments you plan to use and categorize each question.

Read each question. Is worded in a way that it is asking about a need or is it worded to ask about a strength?

1. In the past week, how many times did you feel so angry that you exploded?
 - ▶ **Need: Anger Control**
2. In the past week, how many times when something went wrong were you able to calm yourself down so that you did not explode?
 - ▶ **Strength: Frustration Management**



2. Store assessment data in standardized electronically accessible formats

Standard Relational Data System Across Any Type of Assessment

- ▶ Easily add new assessment types in 30 minutes
- ▶ Share assessments in standardized format
- ▶ Easily connect to analytical engines for processing
- ▶ Completed assessments immediately generate visualizations which inform care in real time





3. Response Handling System

Systematize customizable thresholds for taking action on a response (or a combination of responses...)

Category	Item Name	Property	Start Date	End Date	Min Default	Min Threshold	Min Option	Max Default	Max Threshold	Max Option	Alt Default	Alt Option
TSS	Dissociation	Exposure	Jun 15, 2009	Mar 31, 2009	None	0		Underlying	2	✓	Underlying	✓
TSS	Affective a...	Exposure	Jun 15, 2009	Mar 31, 2009	None	0		Underlying	2	✓	Underlying	✓
STR	Family	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Interperson...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Educational...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		None	0	✓	Build	✓
STR	Vocational	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		None	0	✓	Build	✓
STR	Coping and...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Optimism	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Talent/Inter...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Spiritual/Re...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Community...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Relationshi...	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
STR	Resilience	Strength	Jun 15, 2009	Mar 31, 2009	Use	1		Build	2	✓	Build	✓
LDF	Family	Need	Jun 15, 2009	Mar 31, 2009	None	0		Focus	2	✓	Background	✓
LDF	Living Situa...	Need	Jun 15, 2009	Mar 31, 2009	None	0		Focus	2	✓	Background	✓
LDF	Social Func...	Need	Jun 15, 2009	Mar 31, 2009	None	0		Focus	2	✓	Background	✓
LDF	Developme...	Need	Jun 15, 2009	Mar 31, 2009	None	0		Focus	2	✓	Background	✓



4. Convert Responses into Meaningful Information

Story Maps

Underlying				TARGETED ACTIONABLE OUTCOMES						Background Needs	
Item	Score	Targeted Needs		Useful and Targeted Strengths		Item	Score	Use/Build	Item	Score	
TRM Emotional Abuse	3	BEN Affect Dysregulation	2	1	STR Family	2	Build	RSK Suicide Risk	1		
TRM Witness Family Violence	3	BEN Depression	2	2	STR Optimism	2	Build	RSK Self-Injurious Behavior	1		
TRM Physical Abuse	2	LFD Caregiver Relationship	2	3	STR Well-Being	1	Build	BEN Anxiety	1		
TRM Sexual Abuse	3	BEN Adjustment to Trauma	2	4	STR Community Life	1	Use	BEN Anger Control	1		
		LFD Living Situation	2	5	STR Interpersonal	1	Use	BEN Somatization	1		
		LFD Recreational	2	6	STR Resiliency	1	Use	LFD Social Functioning	1		
		LFD Family	2	7	STR Resourcefulness	1	Use	LFD Medical/Physical	1		
					STR Educational	0	Use	LFD Sleep	1		
					STR Spiritual Religious	0	Use	CUL Cultural Stress	1		
								LFD School Achievement	1		

Note: No person's story could ever be captured in a single or multiple assessments or a map.

Family Reports



Name: Delgado, William

ID: 467617

Child/Youth CANS Strengths Report

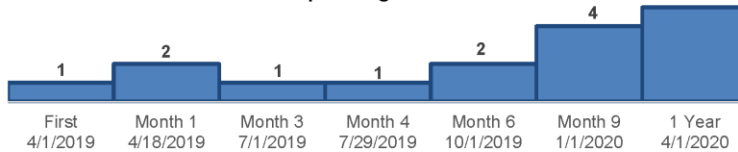
This report shows a young person's CANS strengths. Strengths are helpful qualities for a young person. The CANS has nine strengths described in the table below. As seen in the key below, top strengths are rated as a 0 or 1. Strengths building are rated as 2. Strengths not identified are rated as 3. Some strengths may not apply or may not be present at first. Strengths may change over time as circumstances change.

Date of Report: 4/13/2020

Report Period: 4/1/2019 – 4/1/2020

This section shows that William has 5 top strengths. In the graph below, each bar represents a date when a CANS assessment was completed to show Williams progress over time.

Number of Top Strengths on Each CANS



Latest Progress

Strength	Previous 1/1/20	Latest 4/1/20	Description
Family Strengths			The presence of a sense of family as well as love and communication among family members.
Interpersonal			The ability to make and maintain long-standing relationships.
★ Educational Setting			The level of support the child/youth receives from the school.
Talents/Interests			The hobbies, skills, artistic interests, and talents that are positive ways to spend time, and give pleasure and meaning.
Spiritual Religious			Receiving comfort and support from religious or spiritual involvement.
★ Cultural Identity			A sense of belonging to a specific cultural group.
★ Community Life			This reflects a connection to people, places, or organized groups in the community.
★ Natural Supports			These are unpaid helpers (coaches, teachers) who provide support to the youth and family.
★ Resiliency			The ability to recognize personal strengths and use them in times of stress & in managing daily life. The ability to bounce back when bad things happen.

Top Strengths!



William has 5 top strengths on 4/1/2020. Celebrate the stars above!

Strengths Building



CANS Rating Key

Top Strengths	0	
	1	
Strengths Building	2	
	3	(not identified)

William's Notes

These notes are specific to William. They describe the progress that William has made in building strengths over time.

Monitoring Change Over Time



Questionnaire: CANS-TRC

Select filters:

Collaboration
Lifetime

Voice Type



Item Types

- Need for Focus
- Need in Background
- Strength to Build
- Strength Present
- Underlying Items

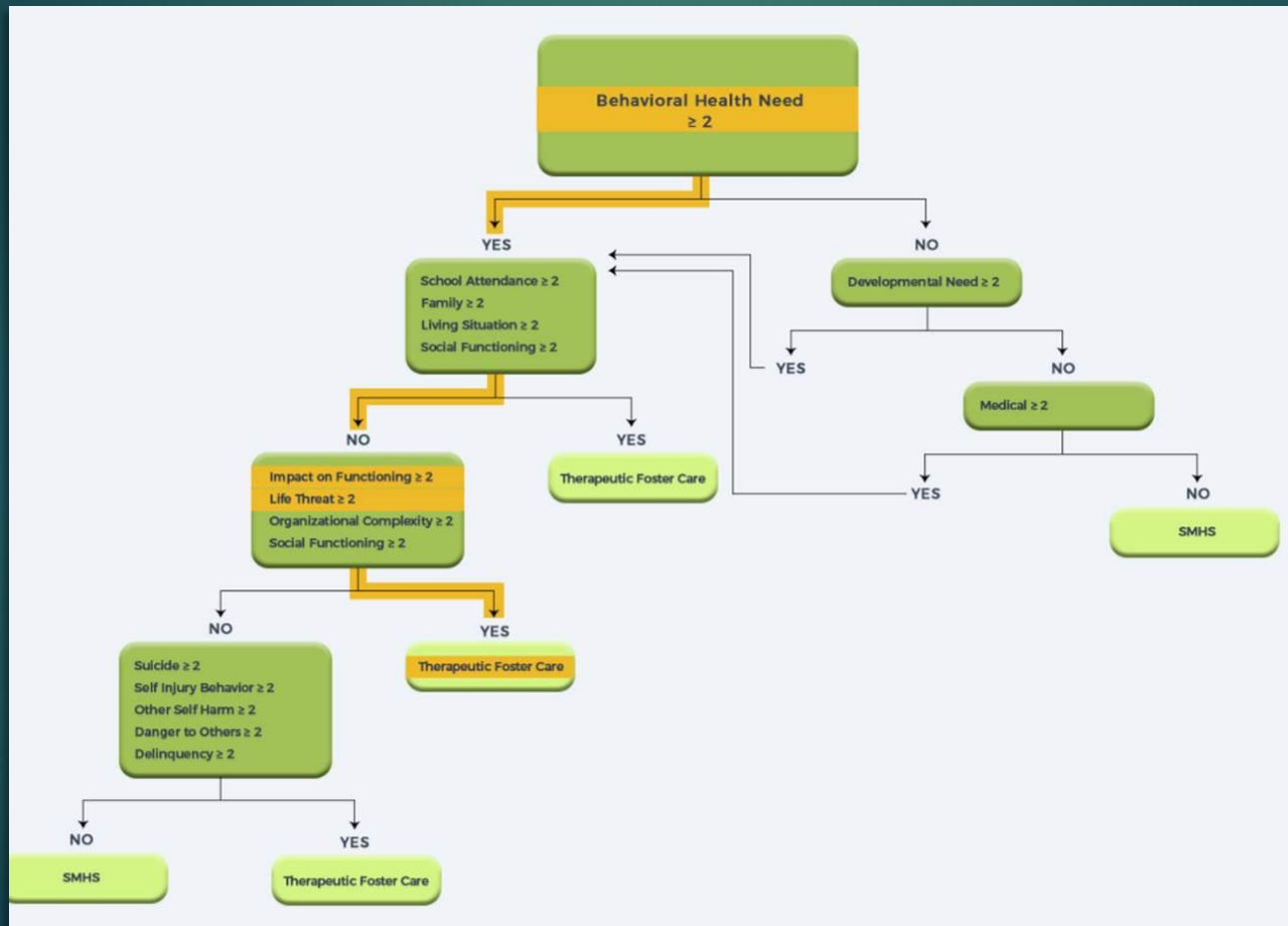
	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7	ADD
Status	Submitted	Submitted	Submitted	Submitted	Submitted	Submitted	In Progress	
Voice Type	Commun...	Commun...	Commun...	Commun...	Commun...	Commun...	Commun...	
Days in Care	1	183	368	550	734	914	935	
Time Period	Month 1	Month 7	Yr1 Mo1	Yr1 Mo7	Yr2 Mo1	Yr2 Mo7	Yr2 Mo7	
Date	02/10/2017	08/11/2017	02/12/2018	08/13/2018	02/13/2019	08/12/2019	09/02/2019	
Person Score	48	42	34	27	15	10	2	
Timmy Trent	-	-	-	-	-	-	-	

TRAUMATIC/ADVERSE CHILDHOOD EXPERIENCES	2	2	1	1	1	0	0	
TRAUMATIC STRESS SYMPTOMS	0	0	0	0	0	0	0	
CHILD STRENGTHS	7	6	5	5	5	5	0	
LIFE DOMAIN FUNCTIONING	19	18	14	12	6	2	2	
+ Family	3	3	2	2	2	1	1	
+ Living Situation	2	2	2	2	2	1	1	
+ Social Functioning	2	2	1	1	1	0	0	
+ Developmental/ Intellectual	0	0	0	0	0	0	0	
+ Recreational	0	0	0	0	0	0	0	
+ Legal	0	0	0	0	0	0	0	
+ Medical	0	0	0	0	0	0	0	
+ Physical	0	0	0	0	0	0	0	
+ Sleep	2	2	2	1	1	0	0	
+ Sexual Development	1	1	1	0	0	0	0	
+ School Behavior	3	2	2	2	0	0	0	
+ School Achievement	3	3	2	2	0	0	0	
+ School Attendance	3	3	2	2	0	0	0	



5. Level of Care/Placement

Automate Decision Algorithms or Assessment Score Threshold





6. Automatic Alerts to Step Up or Step Down Care/Placement

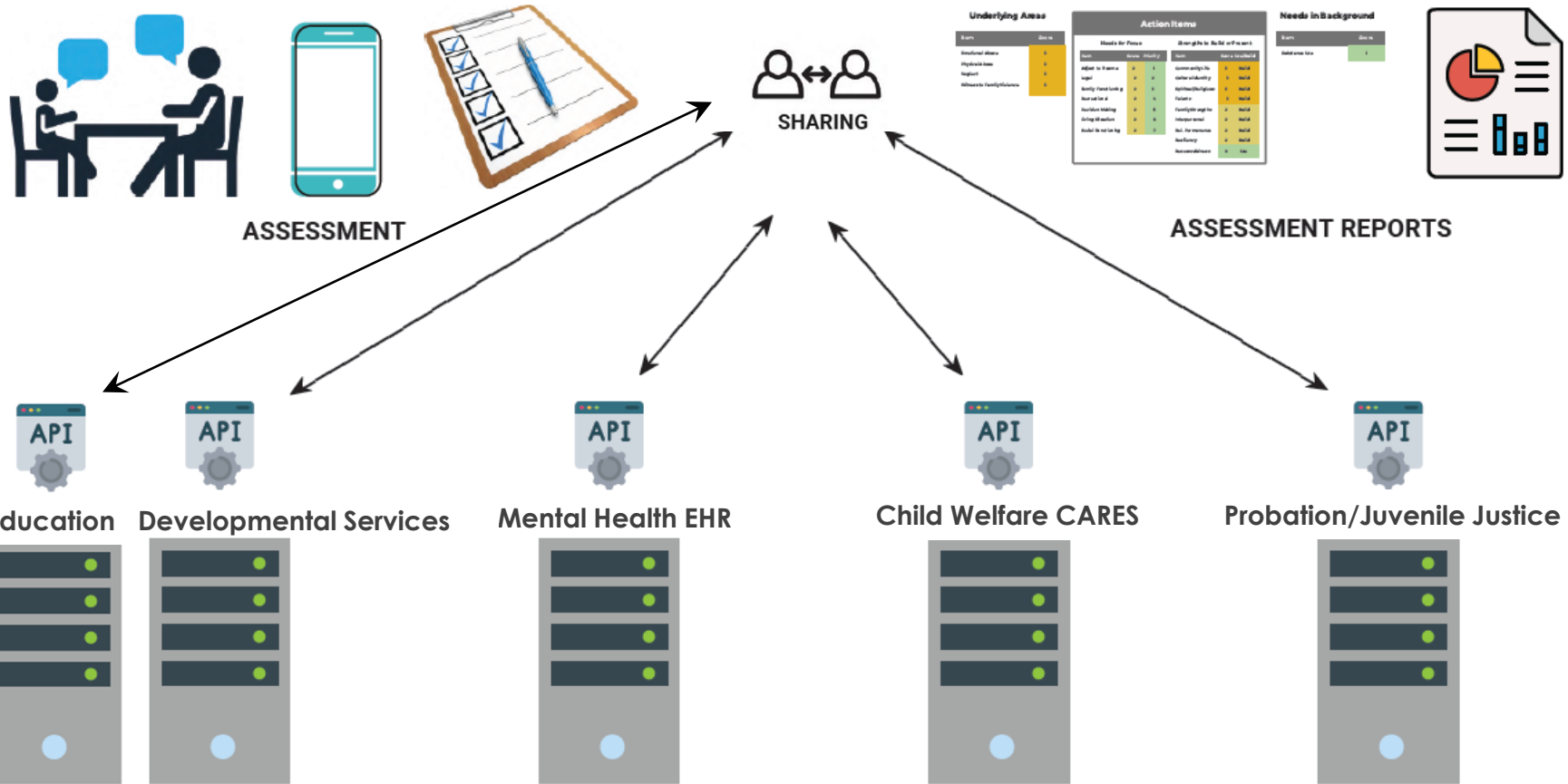
Determination recommendation made in real-time as soon as assessment is complete.

▼ Step Down Care

Rule Name Step Down Care	Rule Level Level of Care	
Question Depression	Operator <=	Value 1
	Join By AND	
Question Anxiety	Operator <=	Value 1
	Join By AND	
Question Sleep	Operator <=	Value 1
	Join By AND	
Question Adjustment to Trauma	Operator <=	Value 1

+ [ADD CONDITION](#)

7. Assessment & Outcome Sharing





A. Set Up Collaborations for Sharing & Associate shared Assessment Types

Helpers **Agencies** **Collaborations** **Options** **Roles** **Admin**

Name*
School-based Wraparound

Abbreviation*
SBW

Agency*
agency1

Start Date*
1/1/2010

End Date

Category*
Educational Support Services

Level*
Community Based Programs

Code

Description
This collaboration is assigned to children/youth in the school-based wraparound program for ABC Education. All children/youth assessments provided in this program will be shared with County Family Services, Mental Health Provider and Juvenile Justice.

Lead*
Alex Ferro Paul

Start Date*
10/1/2020

End Date

Type*
wraparound

+ Add Lead

+ Add Type

Assigned Questionnaire
CANS

Start Date
1/1/2010

End Date

Assigned Questionnaire
Wraparound Fidelity Index

Start Date
1/1/2010

End Date

+ Add Questionnaire

Save Cancel



B. Enroll People in Collaboration

Tiana Princess Frog
DOB: Dec 25, 2007

Profile Questionnaires Notifications Reports

Contact Info ▶
Personal Info ▶
Supports ▶
Helpers ▶
Collaborations ▼

Current Collaborations [+ Add New](#)

Collaboration *	Start Date *	End Date	Primary
Trauma Informed Care	7/1/2020		<input checked="" type="radio"/> Primary
School-based Wraparound	11/1/2020		<input type="radio"/> Primary

Past Collaborations



C. Assign Collaborations to Reporting Unit containing Partner Agencies

Name	Abbreviation	Start Date	End Date	Principal Agency
ReportingUnit California	RUTX	10/25/2020		County Family Services

[+ Add Partner Agency](#)

Agency	Access	Start	End	Sharing
⊖ ABC Education	Read/Write	10/28/2020		<input checked="" type="checkbox"/>

Shared Collaboration

Shared Collaboration	Access	Start	End	Historical View	Sharing	
School-Based Wraparound	Read/Write	10/28/2020		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	i
<input type="text" value="Select a Collaboration*"/>	<input type="text" value="Access*"/>			<input type="checkbox"/>	<input type="checkbox"/>	✓ ✗

[+ Add Collaboration](#)

⊕ Mental Health Provider	Read/Write	10/28/2020		<input checked="" type="checkbox"/>
⊕ Juvenile Justice	Read Only	10/28/2020		<input checked="" type="checkbox"/>



8. Assessment Shared in Real-Time

Partner agency staff can help complete assessments.

Questions marked as confidential are not shared.

CHILD BEHAVIORAL/EMOTIONAL NEEDS		13	15	20	20
+ Psychosis	🚫	0	0	3	3
+ Attention/ Concentration	🚫	2	2	2	2
+ Impulsivity	🚫	2	2	2	2
+ Depression	🚫	2	2	2	2
+ Anxiety	🚫	2	2	2	2
+ Oppositional Behavior	🚫	2	2	2	2
+ Conduct	🚫	0	0	0	0
- Substance Abuse	🚫	0	1	2	2

Item Description:
Substance Abuse

These symptoms include use of alcohol and illegal drugs, the misuse of prescription medications and the inhalation of any substance for recreational purposes. This rating is consistent with DSM-IV Substance-related Disorders.

Item Rating:

- (-) = No answer (-)
- 0 (0) = This rating is for a child who has no substance use difficulties at the present time. If the person is in recovery for greater than 1 year, they should be coded here, although this is unlikely for a child or adolescent. (0)
- 1 (1) = This rating is for a child with mild substance use problems that might occasionally present problems for the person (intoxication, loss of money, reduced school performance, parental concern). This rating would be used for someone early in recovery (less than 1 year) who is currently abstinent for at least 30 days. (1)
- 2 (2) = This rating is for a child with a moderate substance abuse problem that impairs his/her ability to function, but does not preclude functioning in an unstructured setting while participating in treatment. (2)
- 3 (3) = This rating is for a child with a severe substance dependence condition that consistently impairs his/her ability to function. Substance abuse problems may present significant complications to the coordination of care for the individual. A substance-exposed infant who demonstrates symptoms of substance dependence would also be rated here. (3)

Mark as Confidential:
 Yes No

Notes:

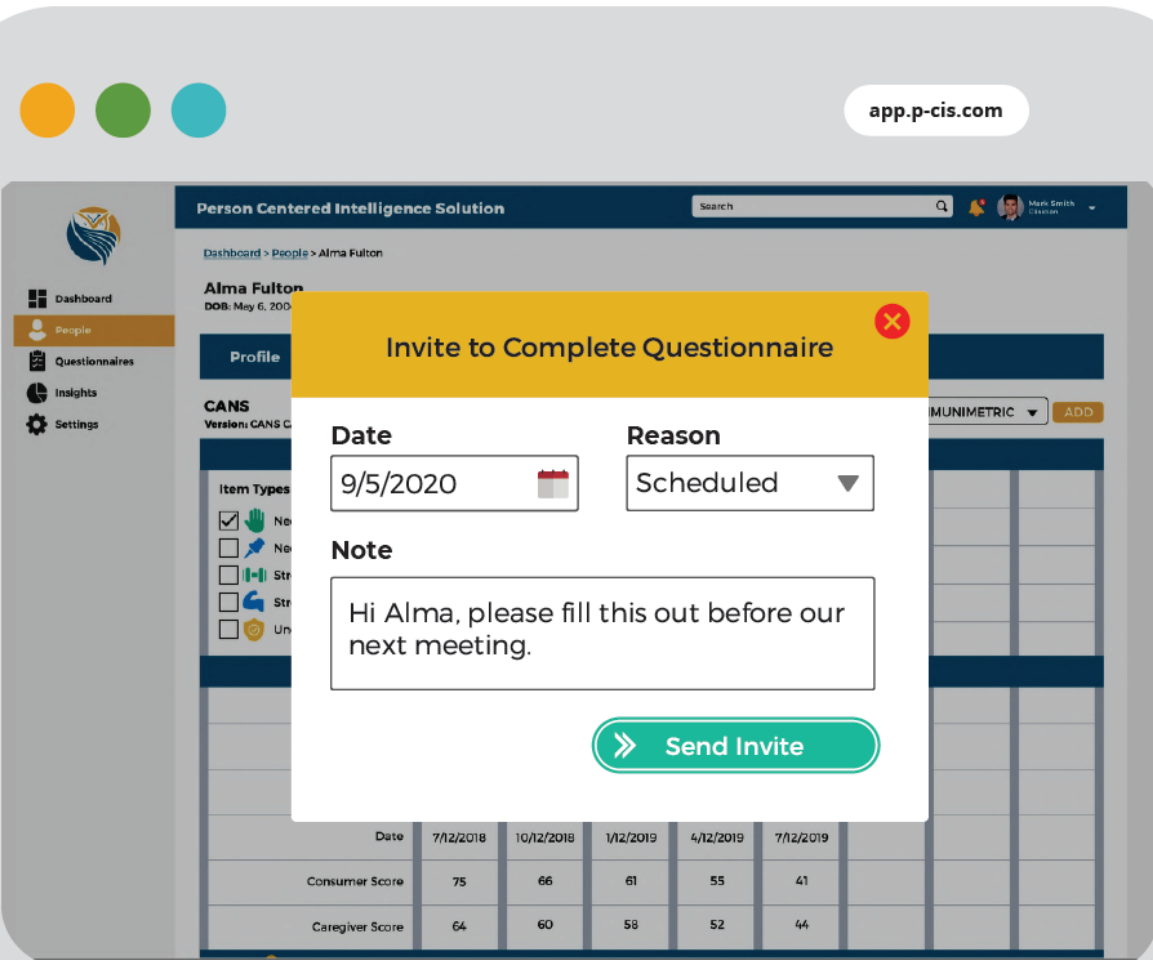
Aunt Imogene is concerned Alice has substance use issues. Found the house liquor cabinet had missing bottles. Alice states she has not taken anything from the cabinet. Aunt Imogen has reverted to locking the cabinet.

Created on 10/26/2020 by The Wizard Of Oz

At the hospital, blood results found high levels of hallucinogenic substances. No clear indication on what substance was just yet.

Created on 10/26/2020 by The Wizard Of Oz

9. Capture Youth Voice



app.p-cis.com

Person Centered Intelligence Solution

Dashboard > People > Alma Fulton

Alma Fulton
DOB: May 6, 2000

Profile

CANS
Version: CANS C

Item Types

- Hand
- Ne
- Str
- Str
- Un

Invite to Complete Questionnaire

Date
9/5/2020

Reason
Scheduled

Note
Hi Alma, please fill this out before our next meeting.

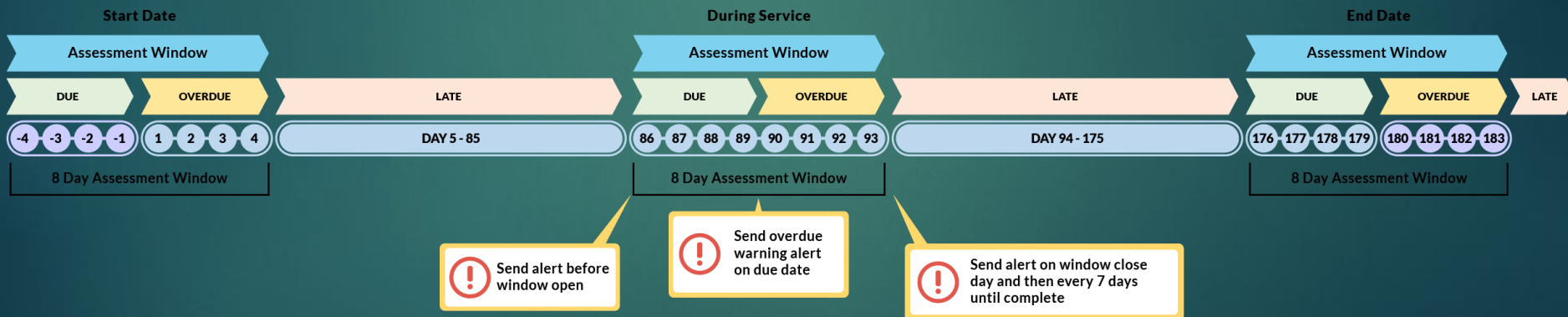
[Send Invite](#)

Date	7/12/2018	10/12/2018	1/12/2019	4/12/2019	7/12/2019
Consumer Score	75	66	61	55	41
Caregiver Score	64	60	58	52	44



10. Support Data Quality

- ▶ Coordinate schedules of assessments between systems
- ▶ Reminders to avoid missing assessments
- ▶ Intelligence to learn when assessments don't look right





11. Promote Health Equity across Assessments & Outcomes

> *J Anxiety Disord.* 2015 Apr;31:38-42. doi: 10.1016/j.janxdis.2015.01.005. Epub 2015 Feb 7.

Cultural-based biases of the GAD-7

Holly A Parkerson¹, Michel A Thibodeau¹, Charles P Brandt², Michael J Zvolensky², Gordon J G Asmundson³

Affiliations + expand

PMID: 25725310 DOI: 10.1016/j.janxdis.2015.01.005

Abstract

The GAD-7 is a popular measure of generalized anxiety disorder (GAD) symptoms that has been used across many cultural groups. Existing evidence demonstrates that the prevalence of GAD varies across self-identified ethnic/cultural groups, a phenomenon that some researchers attribute to cross-cultural measurement error rather than to actual differences in rates of GAD. Nonetheless, the effect of culture on factor structure and response patterns to the GAD-7 have not been examined and could result over- or under-estimated GAD-7 scores across different cultural groups. The current investigation assessed the factor structure of the GAD-7 in White/Caucasian, Hispanic, and Black/African American undergraduates and tested for cultural-based biases. A modified one-factor model exhibited good fit across subsamples. Results revealed that Black/African American participants with high GAD symptoms scored lower on the GAD-7 than other participants with similar GAD symptoms. Results highlight the need for culturally sensitive GAD screening tools.

12. Immediate Real-Time Insights

Because all assessment data is in standard format and we have typified questions – we can connect directly to analytical engines

- ▶ Automate evaluation and continuous quality improvement (CQI)
- ▶ Ascertain what works for whom
- ▶ Identify and remove institutionally biased decision processes

- ▶ As soon as an assessment is completed, its data points added to the system's repository for learning what works for whom



All data captured from any type of assessment funnels directly into intelligent dashboards with filters which drill into insights for specific populations. The dashboards continuously learn about an agency, program, supervisor and staff's service population, updating insights based on who is served and what works for whom.



13. Remove Bias

Success-Focused Insights

- ▶ When and for whom do we achieve success?
- ▶ What care did we provide?
- ▶ Who are we serving well?
- ▶ Where can we improve?

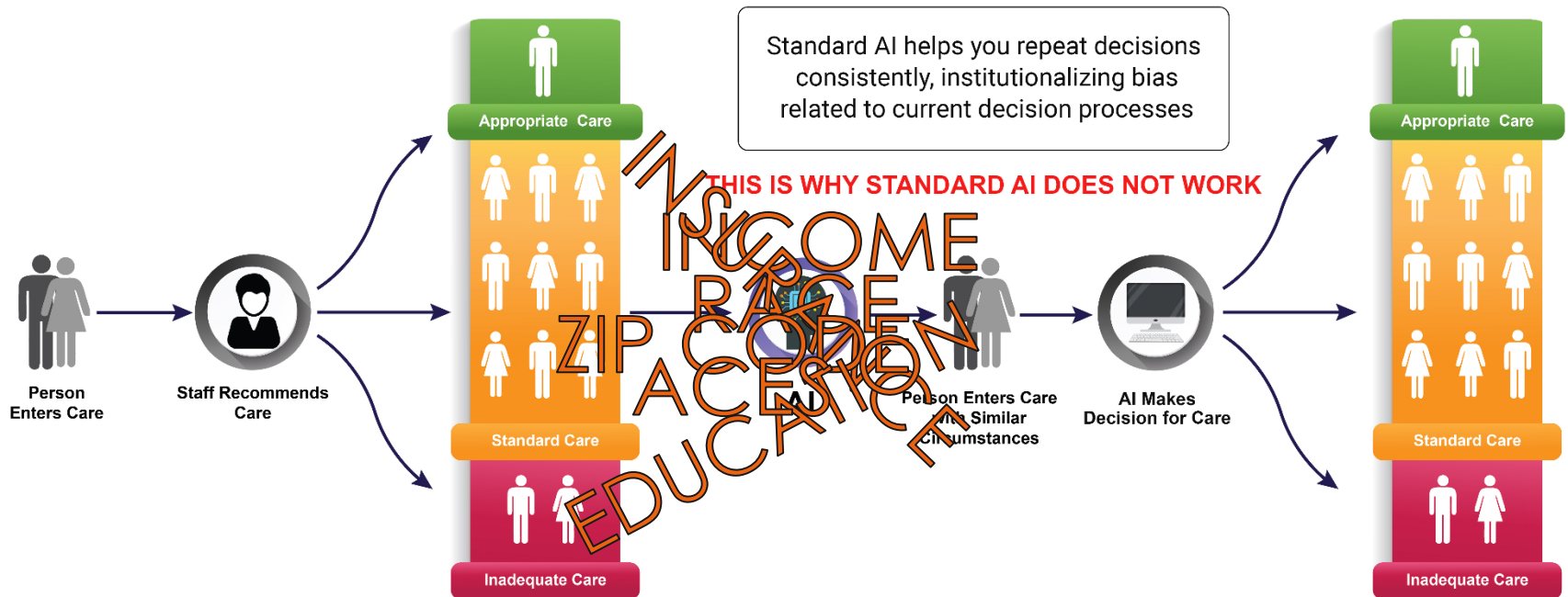
**Don't predict who will fail.
Visualize who could succeed.**



Bias in Care/Placement Determination

- ▶ Standard automation institutionalizes care decisions

Artificial Intelligence (AI) Learns and Models How You Make Decisions

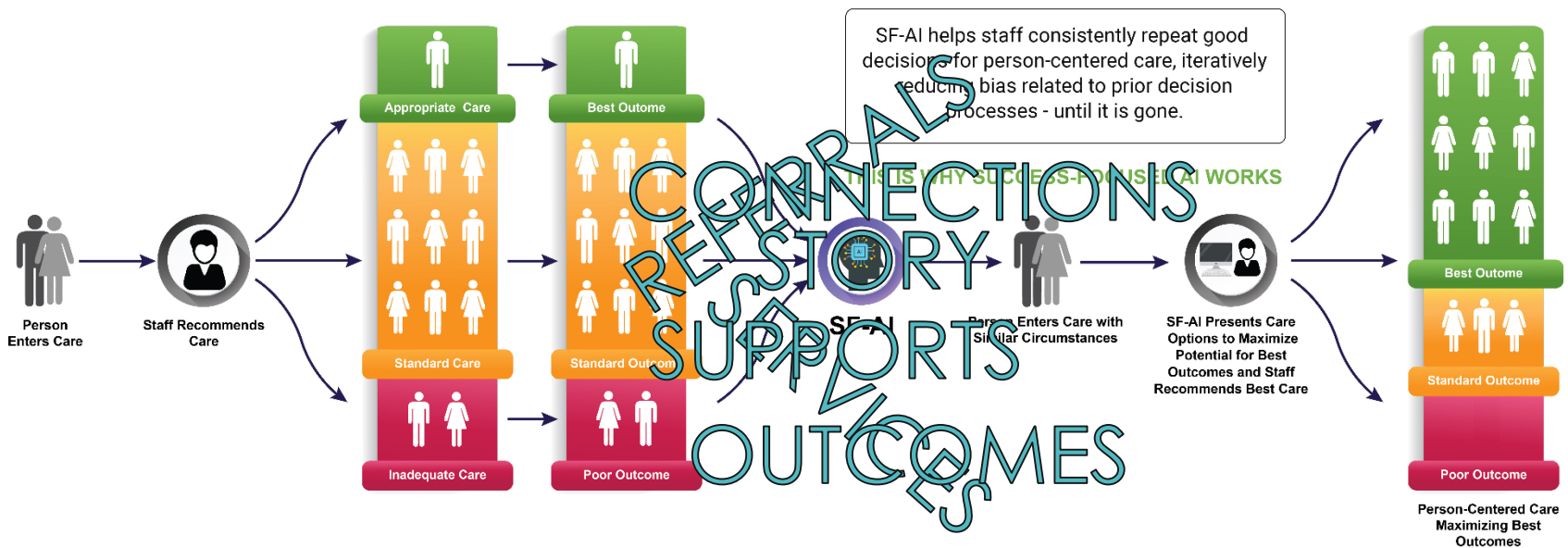




Removing Bias in Care/Placement Determination

- ▶ Success-Focused Intelligence improves care decisions

Success Focused Artificial Intelligence (SF-AI) Learns and Models How You Make **Good** Decisions

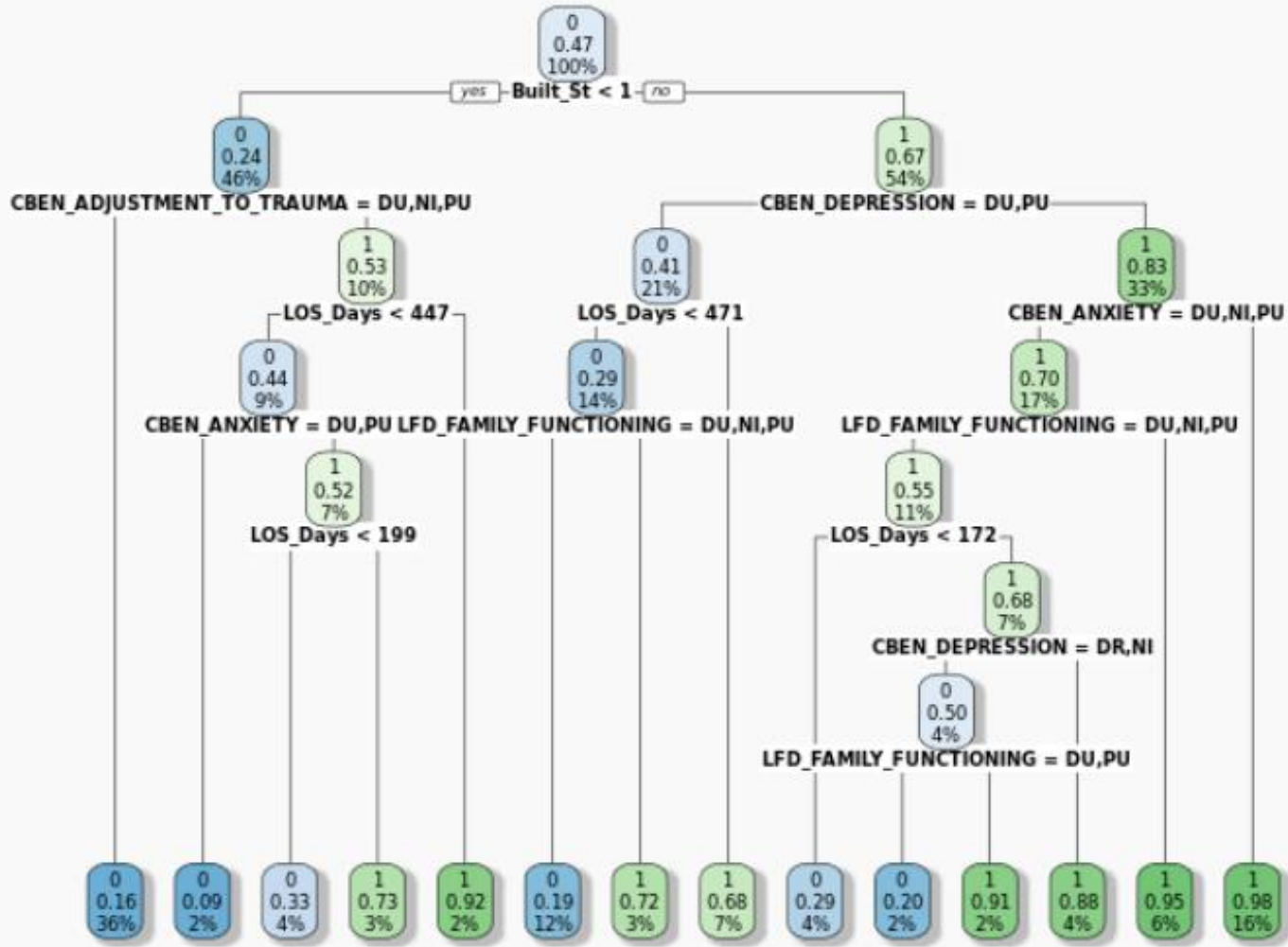


Patterns and Priorities of Success

670

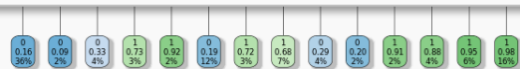
Group Characteristics

SUCCESS	PEOPLE	M	F	AGE	ACES	LOS	ASMT
Success	315	23.2%	76.5%	13.2	1.3	579	4
Not Success	355	27.6%	72.1%	14.3	2.3	280	2



Model Prediction Accuracy


RESULTS	ACCURACY
Specificity	84.7%
Sensitivity	83.9%





Discussion/Conclusions

- ▶ Whole child care considers **whole child well-being**
- ▶ Person & process measures are captured through **assessments**
- ▶ Assessments capture needs, strengths, exposures, past behaviors, support needs, support resources, circumstances, preferences, opinions & goals
- ▶ Sharing select assessments across agencies can support **shared GRIP**
- ▶ Tracking changes in assessment responses over time → **outcomes**
- ▶ Each entity can **create their own definition of success** but share common goals
- ▶ When we begin to look across system levels, we will begin to learn our own **system's strengths** and areas for growth
- ▶ We can identify and **remove institutionalized bias** in decision processes
- ▶ Over time, as the system uses information intelligently, we will learn what works for whom in support of **person-centered care**
- ▶ **Let's start today**



Linking Multi-Disciplinary Assessment Information Toward Whole Child Service Coordination and Care

KATE CORDELL, PHD, MPH

MENTAL HEALTH DATA ALLIANCE

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NEW INITIATIVE: OPEEKA