

Community Data Roundtable

Guest Speaker: Kate Cordell, Ph.D.



Agenda

- Dan Warner Ph.D. - Quick introduction
- Kate Cordell, Ph.D.
 - Ph.D. from the School of Social Welfare at the University of California, Berkeley
 - Dr. Kate Cordell's is an assistant professor at the University of Kentucky, Center for Innovation in Population Health
 - Research focus on behavioral health related policy impacts in the lives of vulnerable populations
 - Uses machine learning and longitudinal analysis methods



Updates on Community Data Roundtable

- TCOM data in the age of COVID-19
 - If you're group has something interesting, do please share!



COVID-19 Timeline >

Total confirmed cases

Updated 7 min ago

15,250,804 +299,457

- Active cases 5,961,180
- Recovered cases 8,665,727 +197,976
- Fatal cases 623,897 +7,347

United States

Save location

Save easily

Overview

4,038,967 +68,296

- Active cases 2,694,269
- Recovered cases 1,199,314 +35,453
- Fatal cases 145,384 +1,211

Covid-19 has born significant innovations in community-minded data

+tableau:public

Coronavirus (COVID-19) Viz Gallery

Google covid tracker

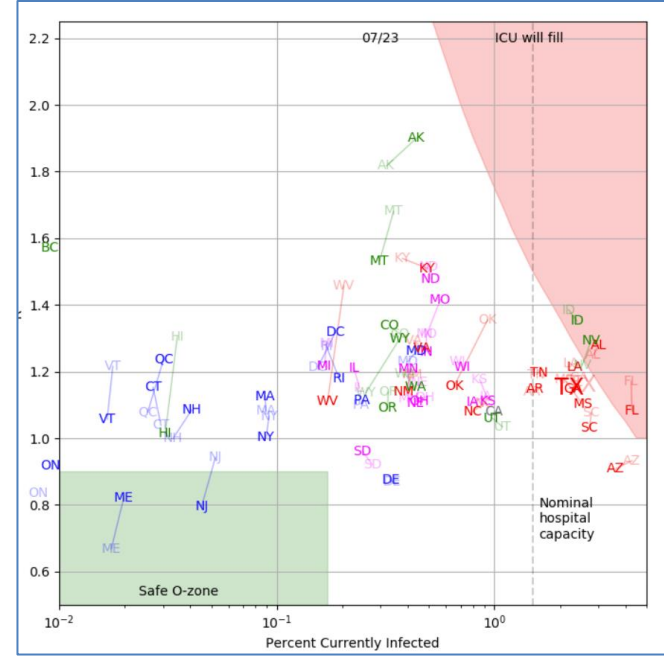
COVID-19 alert

Coronavirus disease

Daily change

New cases United States

37 March 18



nCoV2019.live Data Map Wiki About Survival Rate Calculator

Quick Facts
updated: 3 minutes ago

4,233,997
Total Confirmed

46,931
Total Critical

285,899
Total Deceased

2,430,889
Total Active

1,518,111
Total Recovered

Country	Confirmed	Changes Today	Critical
Spain	268,143	↑ 3,480 (1.31%)	1,650
United Kingdom	221,060	↑ 3,877 (1.77%)	1,569
Russia	221,344	↑ 11,656 (5.56%)	2,300
Italy	219,814	↑ 744 (0.34%)	1,398
France	177,423	↑ 453 (0.26%)	2,712
Germany	172,298	↑ 416 (0.24%)	1,581
Brazil	163,510	↑ 811 (0.5%)	6,318
Turkey	139,771	↑ 1,114 (0.8%)	1,126

USA COVID-19 Stats

NAME	CONFIRMED	CHANGES TODAY	CRITICAL
California	67,986	↑ 69 (0.1%)	Unknown
Pennsylvania	60,857	↑ 501 (0.83%)	Unknown
Michigan	47,182	Unknown	Unknown
Florida	40,982	↑ 388 (0.95%)	Unknown
Texas	39,690	Unknown	Unknown
Georgia	33,927	↑ 419 (1.25%)	Unknown

“Community Data Roundtable”

Featuring cutting-edge data in community and human services data

One Last Update

- TCOM Conference moved to November 11 - 13



Advanced Dashboards for TCOM

Kate Cordell, Ph.D.

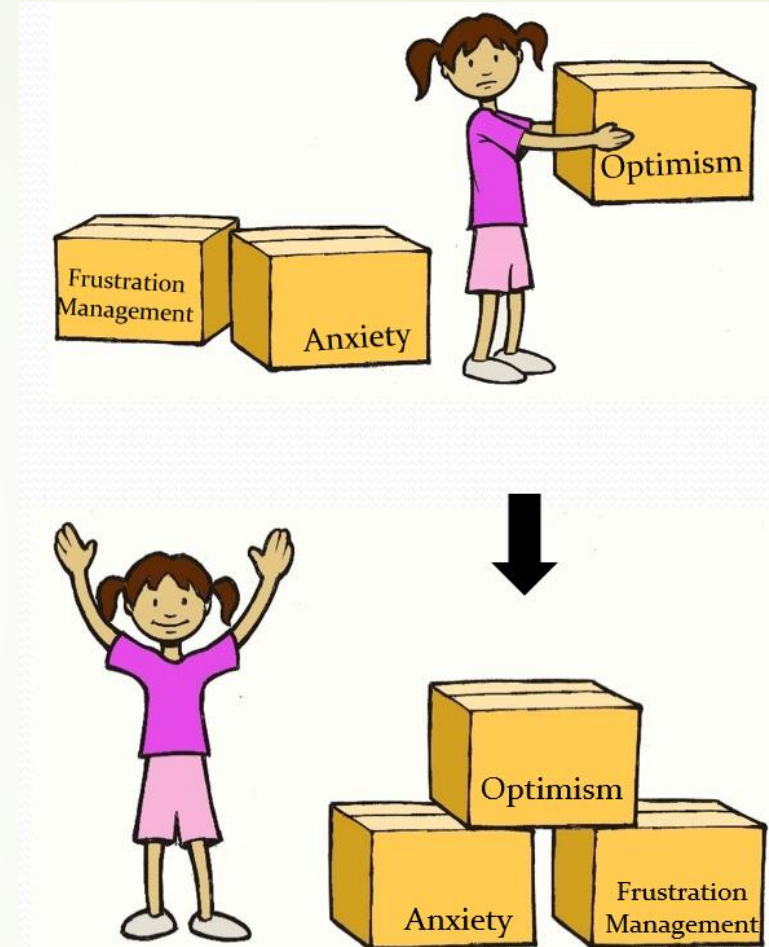


Planning Care and Understanding Outcomes with

Person-Centered Intelligence

Kate Cordell, PhD, MPH

kcordell@opeeka.com



July 23, 2020

Agenda

- **Introduction**
- **Person-Centered Care Reports**
 - Story Map
 - Waterfall Item Prevalence Report for One Person
 - Care Compare
- **Person-Centered Quality Improvement (P-CQI) Dashboards**
 - Waterfall Item Prevalence Report for Groups of People
 - Patterns & Priorities of Success

ALL DATA ARE MOCK DATA

Preesnter

▶ Kate Cordell, PhD, MPH

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



Unique Circumstances

- A CANS with 62 items can capture over 4^{62} different sets of family circumstances, which equals:
 - 21,267,647,932,558,700,000,000,000,000,000,000,000,000
 - 21 Undecillion
- Yet this does not even come close to capturing all that could be unique about a people or family



Name	Number of Zeros	Groups of (3) Zeros
Ten	1	(10)
Hundred	2	(100)
Thousand	3	1 (1,000)
Ten thousand	4	(10,000)
Hundred thousand	5	(100,000)
Million	6	2 (1,000,000)
Billion	9	3 (1,000,000,000)
Trillion	12	4 (1,000,000,000,000)
Quadrillion	15	5
Quintillion	18	6
Sextillion	21	7
Septillion	24	8
Octillion	27	9
Nonillion	30	10
Decillion	33	11
Undecillion	36	12

Person-Centered Care Reports

- These reports are designed to assist staff with care planning and outcomes monitoring for a person or family
- Reports to Inform Person-Centered Care:
 - **Story Map**
 - **Waterfall Item Prevalence (WIP) Report**
 - **Care Compare**

Story Map

➤ A Story Map provides the current snapshot of a person's story as captures by the CANS/ANSA/FAST

Child/Youth Potential Trauma		
Area		
Emotional Abuse		
Witness to Family Violence		
Physical Abuse		

AREAS OF FOCUS			
Needs for Focus		Strengths or Resources to Build or Use	
Area	Rating	Area	Rating Build/Use
Child/Youth - William			
Anger Control	3	Family Strengths	2 Build
Oppositional	3	Interpersonal	2 Build
Social Functioning	2	Talents/Interests	2 Build
School Attendance	2	Education Setting	1 Use
School Achievement	2	Resiliency	1 Use
		Cultural Identity	0 Use
		Community Life	0 Use
		Natural Supports	0 Use
Caregiver - Zulema (Mother)			
Residential Stability	3	Involvement with Care	1 Use
Safety	2	Knowledge	1 Use
Mental Health	2	Social Resources	1 Use
		Supervision	0 Use

Other Needs	
Area	Rating
Cultural Stress	2
Medical/Physical	2

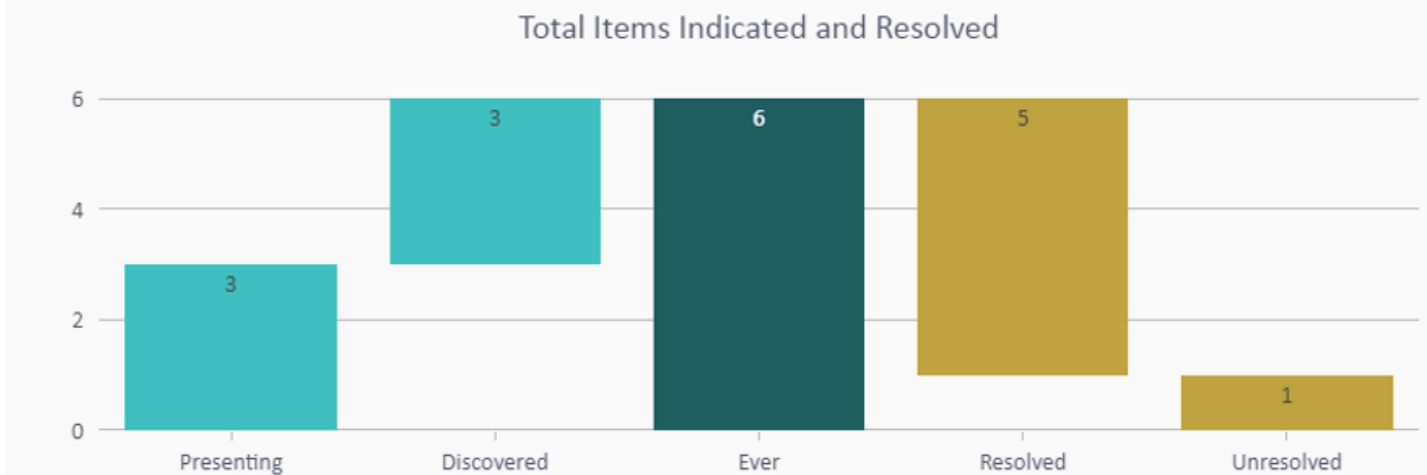
One Person's CANS over Time

- A Waterfall Report displays the actionable items at first assessment (presenting) and with change over time as captures by the CANS/ANSA/FAST

MOCK DATA

- Initially had 2 areas of need and 1 area of strength to build
- Discovered 1 additional area of need and 2 more areas of strength to build
- Resolved 5 of 6 areas of focus

Waterfall Chart

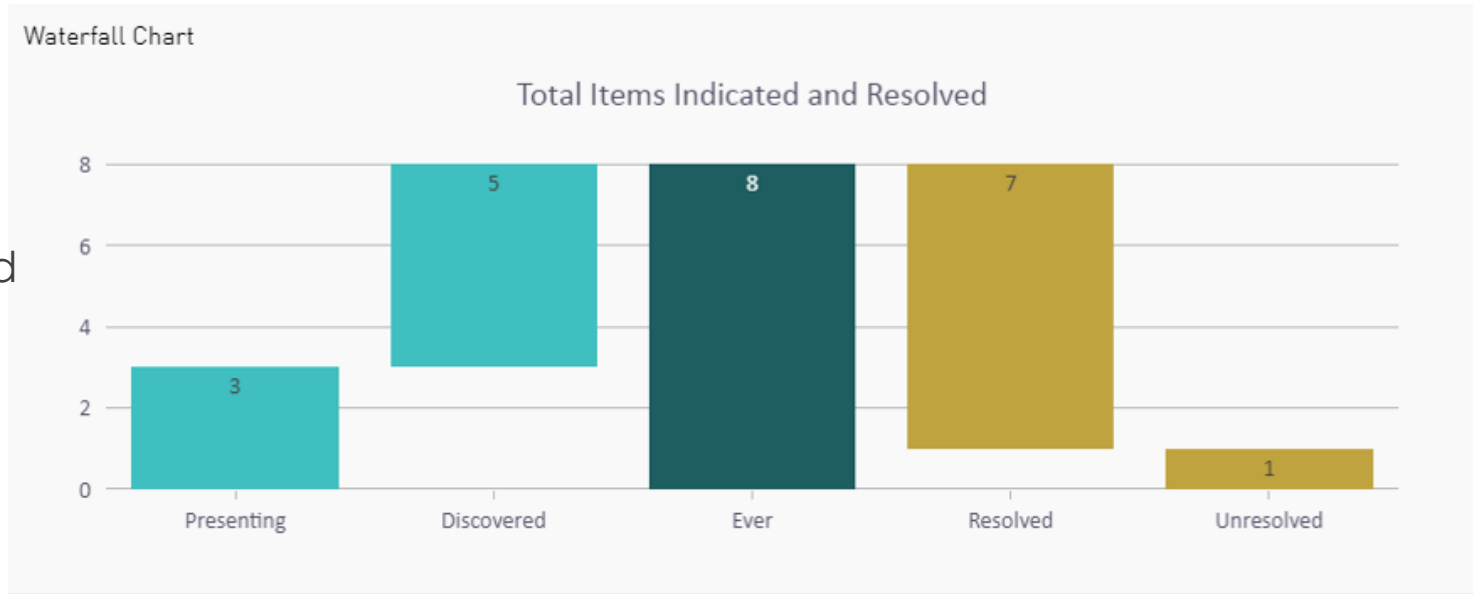


ASMT	CAT	ITEM NAME	PEOPLE	LOS DAYS	PRESENTING	DISCOVERED	EVER	EVER PCNT	RESOLVED	RESOLVED PCNT	UNRESOLVED	
1	CANS	CBEN	DEPRESSION	1	736	100.0	0.0	1	100.0	1	100.0	0
2	CANS	CBEN	ANXIETY	1	736	100.0	0.0	1	100.0	1	100.0	0
3	CANS	CS	OPTIMISM	1	736	100.0	0.0	1	100.0	1	100.0	0
4	CANS	CBEN	ADJUSTMENT TO TRAUMA	1	736	0.0	100.0	1	100.0	1	100.0	0
5	CANS	CS	COMMUNITY LIFE	1	736	0.0	100.0	1	100.0	0	0.0	1
6	CANS	CS	INTERPERSONAL	1	736	0.0	100.0	1	100.0	1	100.0	0

One Person's CANS over Time

MOCK DATA

- Initially had 3 areas of need
- Discovered 5 additional area of need
- Resolved 7 of the 8 total areas of need



Item Level Detail

ASMT	CAT	ITEM NAME	PEOPLE	LOS DAYS	PRESENTING	DISCOVERED	EVER	EVER PCNT	RESOLVED	RESOLVED PCNT	UNRESOLVED	
1	CANS	CBEN	OPPOSITIONAL (NON-COMPLIANCE WITH AUTHORI...	1	1010	100.0	0.0	1	100.0	1	100.0	0
2	CANS	CRB	JUDGEMENT AND DECISION-MAKING	1	1010	100.0	0.0	1	100.0	0	0.0	1
3	CANS	CBEN	IMPULSIVITY/HYPERACTIVITY	1	1010	100.0	0.0	1	100.0	1	100.0	0
4	CANS	CBEN	CONDUCT	1	1010	0.0	100.0	1	100.0	1	100.0	0
5	CANS	CRB	SUICIDE RISK	1	1010	0.0	100.0	1	100.0	1	100.0	0
6	CANS	CRB	SOCIAL BEHAVIOR	1	1010	0.0	100.0	1	100.0	1	100.0	0
7	CANS	LFD	FAMILY FUNCTIONING	1	1010	0.0	100.0	1	100.0	1	100.0	0
8	CANS	LFD	SCHOOL ACHIEVEMENT	1	1010	0.0	100.0	1	100.0	1	100.0	0

Care Compare

- This dashboard is intended to provide decision support for care planning for people based on similar people who have been successful in resolving needs and building strengths
- This dashboard finds people served who are similar to the people selected, based on CANS/ANSA/FAST (or other assessment) ratings.
- The dashboard will run and identify the score for the 10 story markers for that people.
- Each story marker weights a different set of assessment items.
- Sort the Story Marker Loadings to see what assessment items contribute to each story marker.
- The dashboard will return people who most closely match the people selected in the Best Possible Matches table.
- You can review the evidence-based practices, service activities and programs of successful matches

Care Compare

FILTERS (1) ▾ Consumer Rush, Ulric (Male)

CARE COMPARE

Match People to Program and Staff using STORY MARKERS

Successful Interventions of Best Matches

INTERVENTION	N	LOS	RESOLVED
Intensive Behavioral Health Services	11	351	86.8%
Outpatient Mental Health Services	7	167	89.1%
Residential	2	178	87.5%
	20		

Story Marker Items

ITEM	MARKER1	MARKER2	MARKER3	MARKER4	MARKER5	MARKER6	MARKER7	MARKER8	MARKER9	MARKER10
1 CBEN_DEPRESSION	42							45		
2 CRB_SUICIDE_RISK	38							44		
3 CRB_NON_SUICIDAL_SELF_INJURIO...	36							38		
4 CBEN_ANXIETY	35							35		
5 LFD_SLEEP	32	-25						28		
6 CBEN_PSYCHOSIS	31							26		
7 LFD_JOB_FUNCTIONING										
8 CBEN_SUBSTANCE_USE	27					50				

Best Possible Matches

YOUTH	MATCHEE	SEX	RACE	PROGRAM	INTERVENTION	LOS	NEEDS	RESOLVEI	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	DIFF
1	Rush, Ulric (Male 17) 16709	To be Matched	Male	Hispanic or Latino	PGM-003...	Intensive Behavioral Health Servi...	567	4	75.0%		0%	5%			4%	66%			0.0%
2	Leach, Cairo (Male 19) 107...	Possible Mat...	Male	Hispanic or Latino	PGM-003...	Intensive Behavioral Health Servi...	563	7	100.0%	-1%	-1%	2%	7%		18%	47%			6.2%
3	Montoya, Xanthus (Male 14...	Possible Mat...	Male	Hispanic or Latino	PGM-007...	Outpatient Mental Health Services	200	4	100.0%		2%		1%		8%	54%		9%	9.8%
4	Mckay, Oliver (Male 15) 595...	Possible Mat...	Male	Hispanic or Latino	PGM-009...	Residential	201	4	75.0%	-7%	-2%	0%	5%		11%	30%			10.4%
5	Mckay, Oliver (Male 15) 595...	Possible Mat...	Male	Hispanic or Latino	PGM-009...	Intensive Behavioral Health Servi...	201	4	75.0%				5%		11%	30%			10.5%
6	Snow, Guy (Male 15) 14484	Possible Mat...	Male	Hispanic or Latino	PGM-001...	Intensive Behavioral Health Servi...	180	6	100.0%	1%	-1%	4%	8%			44%			10.8%
7	Burks, Thane (Male 24) 409...	Possible Mat...	Male	White	PGM-001...	Intensive Behavioral Health Servi...	192	6	100.0%		0%		1%			53%			11.1%
8	Brock, Jackson (Male 19) 8...	Possible Mat...	Male	Other	PGM-009...	Outpatient Mental Health Services	245	5	100.0%	-7%	1%	-1%	2%		5%	28%		1%	11.1%
9	Hess, Alden (Male 12) 57069	Possible Mat...	Male	Hispanic or Latino	PGM-002...	Intensive Behavioral Health Servi...	427	12	75.0%	2%		3%	6%			49%	3%		11.2%
10	Howe, Allen (Male 11) 92470	Possible Mat...	Male	Hispanic or Latino	PGM-003...	Intensive Behavioral Health Servi...	37	4	75.0%	-8%	0%	0%	4%		1%	15%	1%		11.4%

Care Compare

- ▶ Care Compare learns about your population over time, comparing those you serve to each other
 - ▶ Identifies story markers (factors) specific to your service population
 - ▶ Matches people based on difference in story markers
 - ▶ Story Markers will drift over time as your service population grows and the model continues to learn about your population
- ▶ Can be used to:
 1. Match people to best fit programs/interventions
 2. Match people to best fit therapists, care coordinators, peer supports (staff)
 3. Identify EBPs or service activities which might be beneficial for a person's specific circumstances

Care Compare Story Markers

- Story Marker 8 identifies youth who are more likely to have actionable items of depression, suicide risk, self harm, anxiety, sleep and psychosis

Story Marker Items

ITEM	MARKER1	MARKER2	MARKER3	MARKER4	MARKER5	MARKER6	MARKER7	MARKER8	MARKER9	MARKER10
1 CBEN_DEPRESSION	42							45		
2 CRB_SUICIDE_RISK	38							44		
3 CRB_NON_SUICIDAL_SELF_INJURIOUS_BEH...	36							38		
4 CBEN_ANXIETY	35							35		
5 LFD_SLEEP	32	-25						28		
6 CBEN_PSYCHOSIS	31							26		
7 LFD_JOB_FUNCTIONING										
8 CBEN_SUBSTANCE_USE	37					-52				
9 CS_OPTIMISM	46						-29			
10 CRFN EATING DISTURRANCE					27	24				

Care Compare Story Markers

- Story Marker 8 identifies youth who are also less likely to have actionable items for school behavior, oppositional and impulsivity/hyperactivity.


Story Marker Items

ITEM	MARKER1	MARKER2	MARKER3	MARKER4	MARKER5	MARKER6	MARKER7	MARKER8	MARKER9	MARKER10
1 LFD_SCHOOL_BEHAVIOR	49	-32						-34		
2 CBEN_OPPOSITIONAL	56	-30			28			-33		
3 CBEN_IMPULSIVITY_HYPERACTIVITY	48				27			-26		
4 CBEN_ANGER_CONTROL	56				26					
5 CBEN_CONDUCT	53				27					
6 CRB_SOCIAL_BEHAVIOR	55									

Care Compare Story Markers

- Story Marker 6 identifies youth who are more likely to have actionable items for bullying, intentional misbehavior, resourcefulness, resiliency, caregiver family stress and eating disturbance.

Story Marker Items




ITEM	MARKER1	MARKER2	MARKER3	MARKER4	MARKER5	MARKER6	MARKER7	MARKER8	MARKER9	MARKER10
1 CRB_BULLYING					39	33				-35
2 CRB_INTENTIONAL_MISBEHAVIOR					40	31				-36
3 CS_RESOURCEFULNESS	35				-30	30	-32			
4 CS_RESILIENCY	41					30	-31			
5 CGSN_FAMILY_STRESS_CG	37	27				26	26		-29	
6 CBEN_EATING_DISTURBANCE					27	26				
7 CS_INTERPERSONAL	48						-32			
8 CGSN_ACCESS_TO_CHILD_CARE							26			-27

Care Compare Story Markers

- Story Marker 6 identifies youth who are also less likely to have actionable items for legal, substance use, delinquent behavior, runaway behavior and school attendance.

Story Marker Items



ITEM	MARKER1	MARKER2	MARKER3	MARKER4	MARKER5	MARKER6	MARKER7	MARKER8	MARKER9	MARKER10
1 LFD_LEGAL	35					-54				
2 CBEN_SUBSTANCE_USE	37					-52				
3 CRB_DELINQUENT_BEHAVIOR	45					-48				
4 CRB_RUNAWAY	44					-27				
5 LFD_SCHOOL_ATTENDANCE	47	-26				-25				
6 CGSN_SUBSTANCE_USE_CG										
7 TRMA_EMOTIONAL_ABUSE	36	53		-45						

CQI Reports

- ▶ CQI reports are designed to assist staff, supervisors and administrators with program and system planning and outcomes monitoring to prove and improve quality of care
 - ▶ Waterfall Item Prevalence
 - ▶ Patterns and Priorities of Success

P-CQI Group Reports

Group reports combine together information from multiple families to look at outcomes across groups.

➤ Possible Benefits:

- Identify that some districts that are really good at helping families with specific circumstances
 - These districts may be doing something that other districts are not doing – and could inform best practices
 - Staff qualifications/training
 - Philosophies
 - Practices
 - Outcomes Monitoring
- Identify patterns which suggest that families with some circumstances could use additional supports
 - Some districts may not have access to supports which are important for certain family circumstances –
 - Identifying which family circumstances could use additional supports can help justify any increased costs of offering additional supports

P-CQI Group Reports

Group Reports combine together information from multiple people and families to look at outcomes across groups in order to get a better understanding of how well the system is supporting people and families with certain circumstances. One goal of a Group Report is to identify areas where available services and supports are appropriate and where services and support are possibly not performing as well to help people or families and their teams.

➤ Possible Challenges:

- **Apples and Oranges:** Every family has a unique set of circumstances and one family cannot be compared to another
- **Fruit Salad:** When we combine all families into one report, it is difficult to see common themes or make sense out of the merged data
- **Fruit Smoothie:** When we layer statistics onto our data to make generalizations we blend together all of the families and can no longer distinguish one family's needs from another's



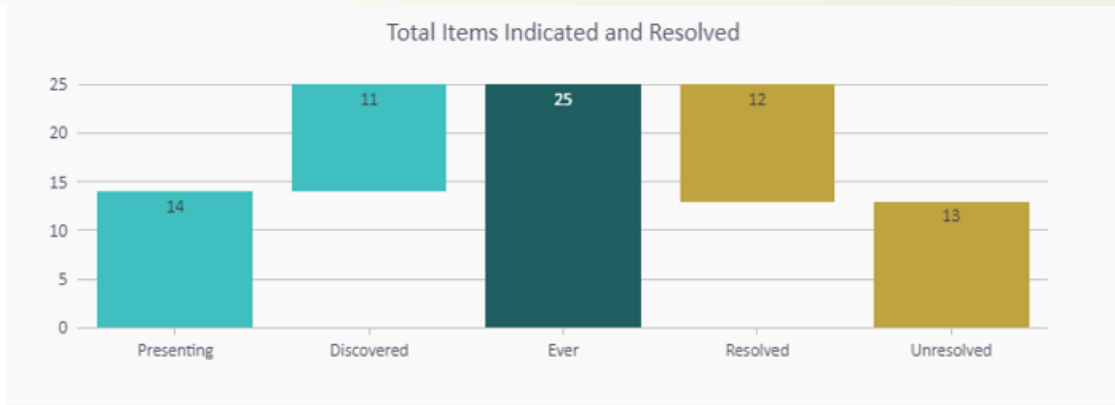
Waterfall Item Prevalence (WIP)

- ▶ This dashboard helps us determine the proportion of People who present with a need to be addressed or strength to build – and the proportion in which it was later discovered.
- ▶ By identifying needs that are more often discovered after presentation, we can begin a conversation around recognizing or predicting needs earlier in care.

Waterfall Item Prevalence

MOCK DATA

Mock Data Example of a group: 42 teenage girls with juvenile justice involvement



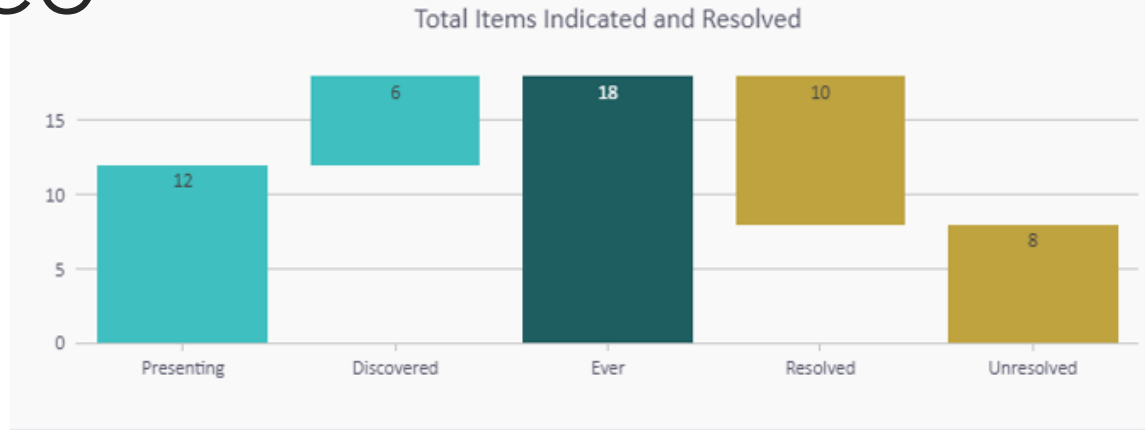
Item Level Detail

	ASMT	CAT	ITEM NAME	PEOPLE	LOS DAYS	PRESENTING	DISCOVERED	EVER	EVER PCNT	RESOLVED	RESOLVED PCNT	UNRESOLVED
1	CANS	LFD	FAMILY FUNCTIONING	42	594	61.9	38.1	42	100.0	20	47.6	22
2	CANS	CS	COMMUNITY LIFE	42	594	66.7	31.7	41	97.6	14	34.1	27
3	CANS	CBEN	OPPOSITIONAL (NON-COMPLIANCE WITH AUTHORI...	42	594	59.5	35.9	39	92.9	17	43.6	22
4	CANS	CBEN	ANGER CONTROL	42	594	64.3	27.0	37	88.1	16	43.2	21
5	CANS	CS	FAMILY STRENGTHS	42	594	50.0	43.2	37	88.1	20	54.1	17
6	CANS	CS	SPIRITUAL/RELIGIOUS	42	594	57.1	35.1	37	88.1	13	35.1	24
7	CANS	CS	OPTIMISM	42	594	31.0	62.9	35	83.3	10	28.6	25
8	CANS	CS	INTERPERSONAL	42	594	40.5	50.0	34	81.0	16	47.1	18
9	CANS	LFD	LIVING SITUATION	42	594	54.8	32.4	34	81.0	14	41.2	20
10	CANS	CBEN	DEPRESSION	42	594	57.1	27.3	33	78.6	16	48.5	17
11	CANS	CS	TALENTS AND INTERESTS	42	594	38.1	50.0	32	76.2	16	50.0	16
12	CANS	CS	RELATIONSHIP PERMANENCE	42	594	52.4	31.3	32	76.2	19	59.4	13
13	CANS	LFD	SOCIAL FUNCTIONING	42	594	38.1	48.4	31	73.8	15	48.4	16
14	CANS	CBEN	CONDUCT	42	594	26.2	62.1	29	69.0	18	62.1	11
15	CANS	CS	RESILIENCY	42	594	38.1	42.9	28	66.7	15	53.6	13
16	CANS	CBEN	IMPULSIVITY/HYPERACTIVITY	42	594	40.5	34.6	26	61.9	4	15.4	22
17	CANS	CBEN	ANXIETY	42	594	31.0	48.0	25	59.5	14	56.0	11
18	CANS	CBEN	ADJUSTMENT TO TRAUMA	42	594	35.7	37.5	24	57.1	13	54.2	11
19	CANS	CS	RESOURCEFULNESS	42	594	23.8	58.3	24	57.1	11	45.8	13
20	CANS	LFD	RECREATIONAL	42	594	28.6	45.5	22	52.4	14	63.6	8
21	CANS	LFD	LEGAL	42	594	23.8	54.5	22	52.4	10	45.5	12
22	CANS	CRB	RUNAWAY	42	594	28.6	45.5	22	52.4	12	54.5	10



Waterfall Item Prevalence

Mock Data Example of a group: 41 teenage boys with juvenile justice involvement



Item Level Detail

	ASMT	CAT	ITEM NAME	PEOPLE	LOS DAYS	PRESENTING	DISCOVERED	EVER	EVER PCNT	RESOLVED	RESOLVED PCNT	UNRESOLVED
1	CANS	CS	COMMUNITY LIFE	41	553	68.3	20.0	35	85.4	9	25.7	26
2	CANS	CBEN	OPPOSITIONAL (NON-COMPLIANCE WITH AUTHORI...	41	553	53.7	35.3	34	82.9	20	58.8	14
3	CANS	CS	SPIRITUAL/RELIGIOUS	41	553	61.0	24.2	33	80.5	11	33.3	22
4	CANS	CBEN	ANGER CONTROL	41	553	61.0	21.9	32	78.0	18	56.3	14
5	CANS	LFD	LIVING SITUATION	41	553	56.1	23.3	30	73.2	18	60.0	12
6	CANS	CS	INTERPERSONAL	41	553	58.5	17.2	29	70.7	17	58.6	12
7	CANS	LFD	FAMILY FUNCTIONING	41	553	46.3	32.1	28	68.3	16	57.1	12
8	CANS	CBEN	IMPULSIVITY/HYPERACTIVITY	41	553	63.4	7.1	28	68.3	13	46.4	15
9	CANS	CBEN	CONDUCT	41	553	24.4	63.0	27	65.9	14	51.9	13
10	CANS	CS	OPTIMISM	41	553	41.5	34.6	26	63.4	12	46.2	14
11	CANS	LFD	LEGAL	41	553	46.3	26.9	26	63.4	17	65.4	9
12	CANS	LFD	SCHOOL ACHIEVEMENT	41	553	46.3	24.0	25	61.0	14	56.0	11
13	CANS	CS	RELATIONSHIP PERMANENCE	41	553	43.9	28.0	25	61.0	6	24.0	19
14	CANS	LFD	SOCIAL FUNCTIONING	41	553	41.5	32.0	25	61.0	12	48.0	13
15	CANS	CS	RESOURCEFULNESS	41	553	39.0	33.3	24	58.5	8	33.3	16
16	CANS	CS	EDUCATIONAL SETTING	41	572	29.3	50.0	24	58.5	14	58.3	10
17	CANS	LFD	RECREATIONAL	41	553	34.1	39.1	23	56.1	15	65.2	8
18	CANS	CS	RESILIENCY	41	553	46.3	13.6	22	53.7	7	31.8	15
19	CANS	CS	FAMILY STRENGTHS	41	553	41.5	19.0	21	51.2	9	42.9	12
20	CANS	CS	TALENTS AND INTERESTS	41	553	34.1	30.0	20	48.8	11	55.0	9
21	CANS	CBEN	ANXIETY	41	553	29.3	36.8	19	46.3	10	52.6	9



Patterns and Priorities of Success

- ▶ This dashboard helps us determine what items, when resolved, were most strongly associated with success in the program.
- ▶ Success is defined as a combination of:
 - ▶ % of Needs which were identified and later resolved
 - ▶ Number of strengths built
 - ▶ % of Caregiver Resources and Needs which were identified and later resolved
- ▶ The user can set the definition of success by choosing from the filters

Patterns and Priorities of Success

1,149
People Represented

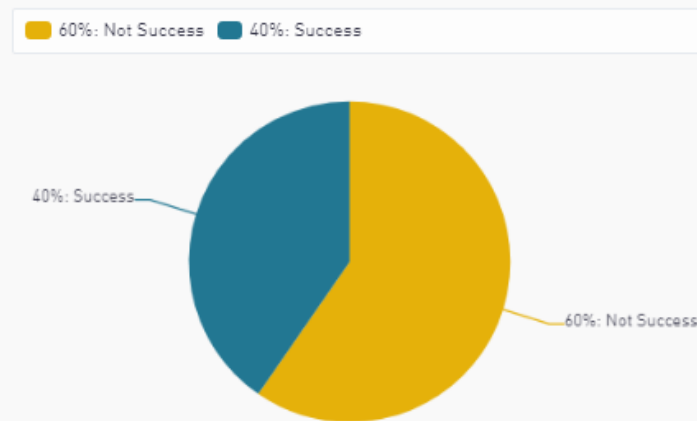
Group Characteristics

SUCCESS	PEOPLE	M	F	AGE	ACES	LOS	ASMT
Success	464	100.0%	0.0%	15.1	0.1	434	4
Not Success	685	100.0%	0.0%	15.2	0.2	256	3

Included in Dashboard

SEX	RACE/ETHNICITY	PEOPLE
Male	Hispanic or Latino	497
Male	White	260
Male	Black or African American	152
Male	Multi-Ethnic	123
Male	Unknown	44
Male	Asian	38
Male	Other	27
Male	American Indian or Alaska Native	8
		1,149

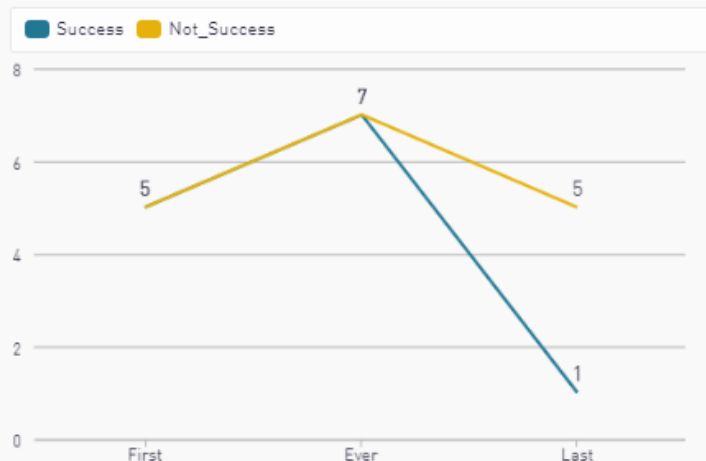
Those Who Met Definition of Success



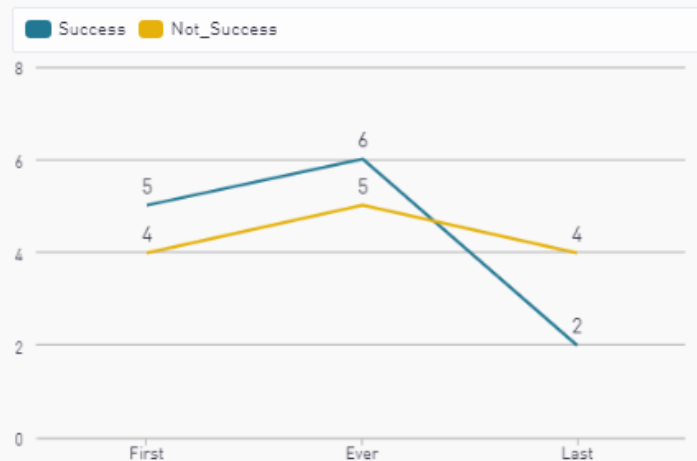
Top Items for "Success"

ITEMS	RANK
1 Built_St	1
2 LFD_LIVING_SITUATION	2
3 CS_RESILIENCY	3.5
4 CBEN_ANGER_CONTROL	4
5 LFD_FAMILY_FUNCTIONING	5.5
6 CS_FAMILY_STRENGTHS	7
7 LFD_SOCIAL_FUNCTIONING	8
8 Ever_St	9.5
9 CBEN_DEPRESSION	10.5
10 CBEN_OPPOSITIONAL	10.5
11 CS_COMMUNITY_LIFE	12
12 CS_OPTIMISM	12
13 LFD_SCHOOL_ACHIEVEMENT	13.5
14 Ever_Nd	13.5
15 Resolved_Cg_Pont	14
16 LFD_RECREATIONAL	15
17 LOS_Days	15
18 LFD_SCHOOL_BEHAVIOR	17
19 CS_RESOURCEFULNESS	18.5
20 CBEN_ANXIETY	20
21 CS_EDUCATIONAL_SETTING	21.5
22 CS_RELATIONSHIP_PERMANENCE	23
23 CS_INTERPERSONAL	23.5
24 CS_TALENTS_AND_INTERESTS	25.5
25 CBEN_IMPULSIVITY_HYPERACTIVITY	26.5

Total Needs to Address over Time by Success Group



Total Strengths to Build over Time by Success Group



Key to Tree:

PR = Presented and Resolved
DR = Discovered and Resolved
PU = Presented and Unresolved
DU = Discovered and Unresolved
NI = Never Indicated

How to read the tree:

1 in Top Row = Predicts Success for Group
0 in Top Row = Predicts Not Success for Group

0.00 in Second Row = Probability of Success
(if greater than 0.50, then Top Row =1 Predicts Success)

00% in Third Row = Proportion of Population Represented

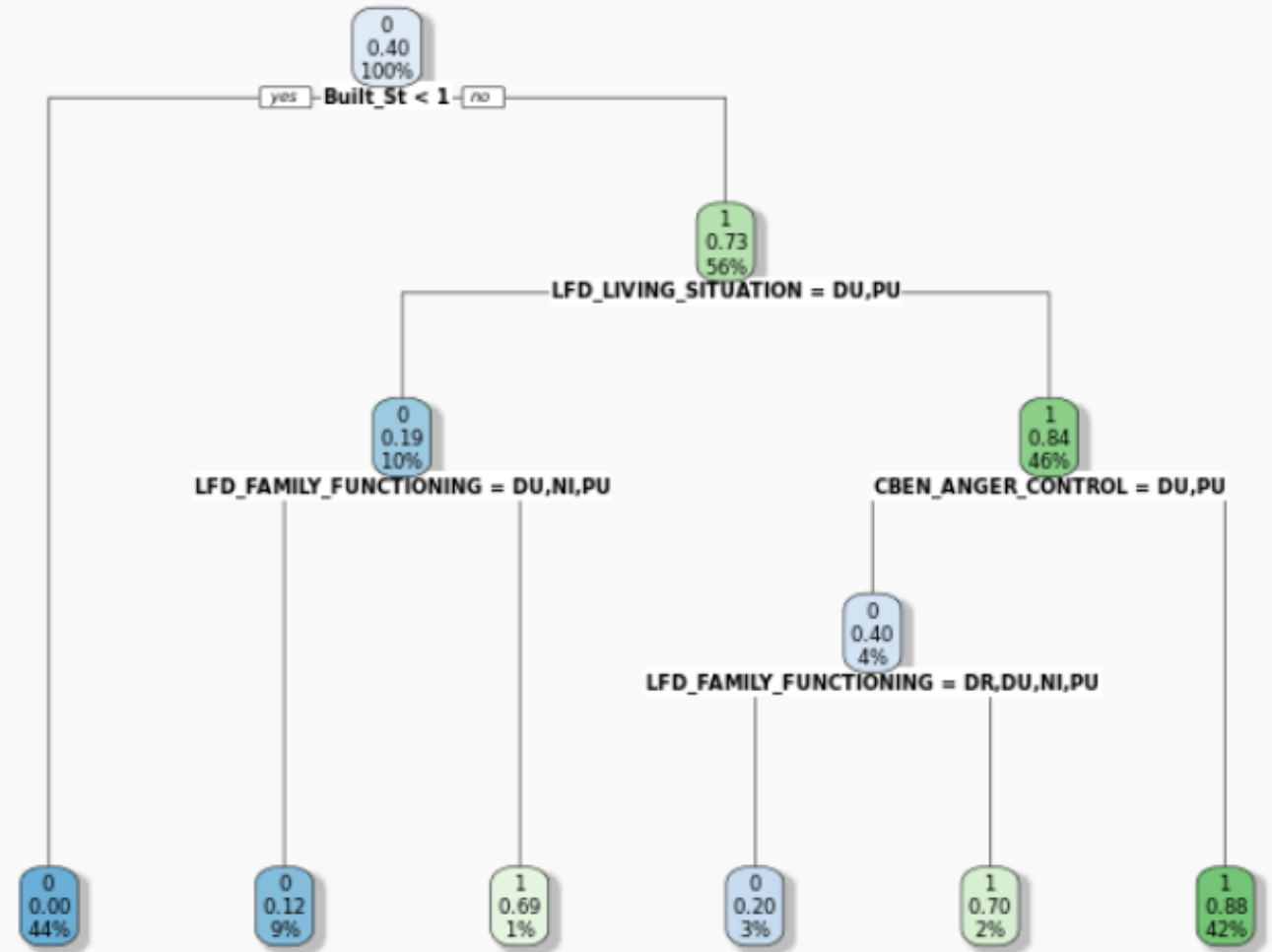
Prediction based on Test Set

SUCCESS	SUCCESS PRED	N
NO	NO	142
NO	YES	3
YES	NO	13
YES	YES	72

Accuracy

RESULTS	ACCURACY
Specificity	97.9%
Sensitivity	84.7%

Items of "Success" Decision Tree



Planning Care and Understanding Outcomes with Person-Centered Intelligence

Kate Cordell, PhD, MPH

kcordell@opeeka.com

July 23, 2020

www.opeeka.com

- Person-Centered Intelligence Solution (P-CIS)

