

Safety, Health, Independence

Oregon Department of Human Services

Presentation to the
**Senate Interim Committee
on Human Services**

Research Update

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Tapping into the power of data; informing direct practice

Research Agendas

- By program, starting with Child Welfare to address immediate reform needs and recognize how child welfare influences multiple outcomes
- DHS research agenda to recognize the flow of individuals between programs
- State research agenda to document flow of individuals through Oregon's different service systems to recognize where resources impact numerous outcomes

Child Welfare Research Agenda

To safely reduce the number of children in foster care; to identify the appropriate number of beds needed for foster children; to recruit and retain the best caseworkers; to recruit and retain foster parents

Initial Projects:

- Assessing risk/safety (safety at screening)
- Disproportionality/minimizing bias
- Capacity and placement matching
- Caseload and workload
- Staff retention



Predictive Model: Safety at Screening

- Uses 1.5 years of historical information of all participants listed on the cases
- Looks at 78 variables and hundreds of combinations on these variables
- Provides the probability of:
 - A child being named on a future assigned report in 2 years
 - A child entering a placement within 2 years
- Fairness Correction for disproportionation outcomes (Race-Based Protected Attribute)

Research

- 203,000 reports (433,000 children) from 2013-2016

Assigned 46%	Closed at Screening 54%
Named on a Future Assigned Report 33%	Named on a Future Assigned Report 30%
Experienced a Placement 13%	Experienced a Placement 8%

Protected attribute outcomes...

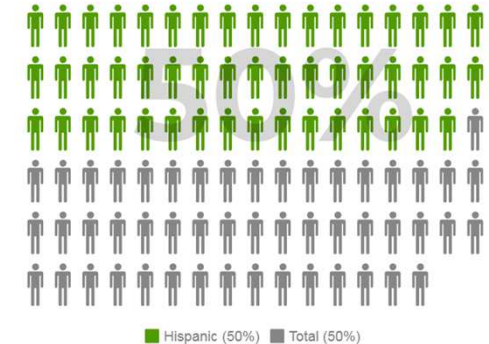
Screening Rates:

- Assign the groups similarly
- Not observing significant bias at the decision to assign in for investigation or close a case at screening
- All families impacted by screening

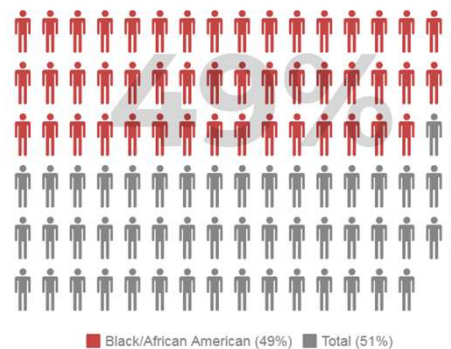
White/API Assigned



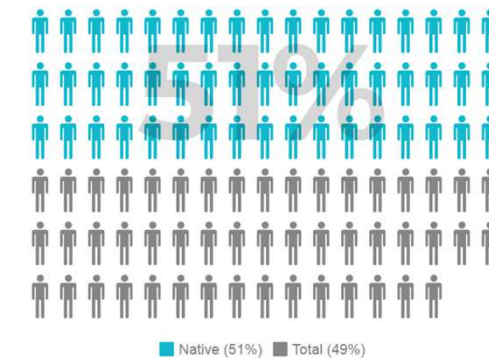
Hispanic Assigned



Black/African American Assigned



Native Assigned



Protected attribute outcomes...

Placement Rate Comparison:



The actual assigned call percentage of all families is very similar, but the risk of out of home placements is much higher for some populations.

Safety at Screening Tool applied

Score	# of Children in Level	% of Children in Level	% of Assigned Cases	Placement of those Assigned	% of CAS Cases	Placement of those CAS	Placement Regardless of Decision	Relative Risk
4	3,747	3%	59%	56%	41%	45%	52%	+8
3	30,252	25%	53%	17%	47%	9%	13%	+2
2	75,092	63%	43%	4%	57%	2%	3%	-3
1	10,316	9%	38%	1%	62%	1%	1%	-9
Overall	119,407	100%	46%	10%	54%	4%	7%	

- Does not require additional OR-Kids data entry from screener
- Uses administrative data and current report information
- Provides the scores for every child listed on the case
- Does not score children already in Foster Care or other placement (only 4% of screening reports)
- Must be accessed before a screener makes a decision to Assign or Close at Screening
- Bottom scores take the highest scores of any child on the report
- Accuracy around 80%

OR-Kids Desktop > Screening Reports > Screening Probability Score

Print Spell Check Grammar Check Help

Screening Information

Case Name: TEST, CASE Screener: SCHROEDER, KRISTY M. Response Time: Within 24 hours Report Type: CPS
 Date/Time Score Created: 11/20/2018 02:01 PM Date/Time Report Received: 11/20/2018 01:39 PM Report ID: 3098782

Screening Probability Score

Abuse Types	Children in Screening	DOB	Age	Gender	Relation	Probability Score	Lower Probability		Higher Probability	
							1	2	3	4
Physical Abuse	TEST, CHILD	03/03/2003	15	F	Child - Biological					

Probability Score Lower Probability Higher Probability
 1 2 3 4

Placement Score: 2 I have reviewed the Probability Scores.

Assignment Score: 2

Close

Safety at Screening Tool

To use the Screening Predictive Analytics tool, complete the procedural requirements. Complete the OR-Kids actions below prior to using the tool:

1. From the **Participants** tab, retrieve all participant records on to the report
2. Select the **Self** from the participant list and select the corresponding relationships for each participant
3. Select the **Roles** for each participant
4. Select the **Reporter** type
5. From the Allegation tab, click **Insert** to add an **Allegation** row and complete all selections in the row
6. Select the **County of Origin**

OR-Kids
Desktop > Screening Reports

Screening Information
Case Name: Test, Mother Screener: Test, Screener Response Time: Pending Report Type: CPS
Date/Time Report Created: 11/16/18 3:37 PM Date/Time Report Received: 11/16/2018 03:37 AM/PM Report ID: 3097794

Participants

Names	Gender	DOB	Age	Race	Relationship	Roles
Test, Mother	Female	07/07/1987	31	White	Self	CN-HM-PR
Test, Father	Male	08/08/1988	30	White	Significant Other (live-in)	AP-HM-PR
Test, Child	Male	10/10/2010	8		Child - Biological	AV-HM

Reporter
Document the Reporter's motivation, source of information, and last contact with the child(ren)
Counselor at Test Child's school, she heard the information directly from the child whom she last saw at recess.
Name: Milton, Anna Reporter Type: School Report Method: P

OR-Kids
Desktop > Screening Reports

Screening Information
Case Name: Test, Mother Screener: Test, Screener Response Time: Pending Report Type: CPS
Date/Time Report Created: 11/16/18 3:37 PM Date/Time Report Received: 11/16/2018 03:37 AM/PM Report ID: 3097794

Allegations

Alleged Victims	Alleged Perpetrator	AP Relationship to Victim	A/N Code	Description	Fatality
Test, Child	Test, Father	Father	Threat of Harm	Threat of Harm: Domestic violence	<input type="checkbox"/>

Date of Alleged Abuse/Neglect: 11/16/2018 County of Origin: Deschutes **Insert**

Options: 1 **Screening Probability Tool**

OR-Kids
 Desktop > Screening Reports > Screening Probability Score

Screening Information
 Case Name: Test, Mother Screener: Test, Screener Response Time: Pending Report Type: CPS
 Date/Time Score Created: 11/26/2018 12:32 PM Date/Time Report Received: 11/26/2018 11:25 AM Report ID: 3099742

Screening Probability Score

Abuse Types	Children in Screening	DOB	Age	Gender	Relation	Probability Score	Lower Probability		Higher Probability	
							1	2	3	4
Threat of Harm	Test, Child	12/12/2012	5	M	Child - Biological	Placement Score 2				
						Assignment Score				

Probability Score	Lower Probability		Higher Probability	
	1	2	3	4
Placement Score: 2				
Assignment Score: 2				

3 I have reviewed the Probability Scores.

4

Safety at Screening Tool

1. Once the required procedural and OR-Kids actions are complete, click the **Screening Probability Tool** button from any tab. The **Screening Probability Score** page opens
2. Review the **Placement** and **Assignment** score for each child and review the report **Probability** scores in the lower left hand corner of the page. These are the scores for the report
3. Select the **I have reviewed the Probability Scores** checkbox
4. Click **Save**, click **Close**.

Kindergarten readiness study

Project purpose is to get a better idea of how social factors relate to kindergarten readiness for Oregon children

Study questions:

1. Is most of the variance between schools or children?
2. Overall, how accurately do social factors predict kindergarten readiness scores?
3. Which factors are the most predictive?

Social determinants in study:

- Race/ethnicity
- Limited English Proficiency
- Economic disadvantage (individual level)
- Economic disadvantage (school level)
- Foster care involvement (proxy for maltreatment)

Kindergarten readiness study

Preliminary findings on economic disadvantage and foster care involvement social determinants:

- Economic disadvantage negatively impacts each assessment, with greater levels of economic disadvantage associated with lower scores than lesser levels of economic disadvantage
- Foster care involvement is associated with lower scores on each assessment

Risk of severe maltreatment tool

Combines data from multiple sources for researchers to identify the characteristics associated with severe child abuse and neglect, and minimize child fatalities and severe maltreatment

Collaborators:

Child Welfare: Coordinates and provides the analytic support

Corrections: Provide addresses and data.

OCHIN: Provides the medical data to recognize children severely abused or neglected

Local providers: Work with parents to develop safety plans and find housing for ex-offenders

Risk of severe maltreatment tool

How the proposed tool may work:

- OCHIN recognizes the children severely abused/neglected by recognizing severe injuries.
- Child welfare and corrections data identify households where violent offenders reside with young children.
- Researchers identify the characteristics of households and offenders where the potential for severe abuse/neglect is real.
- Local non-profit providers work with mothers of these vulnerable children to recognize the risk and develop safety plans.
- Local providers also help to provide housing to the ex-offender.
- Parole and probation assure the ex-offender does not have unsupervised access to the child.

Good News: DHS opens rural call centers, creates jobs

- Self-Sufficiency Program is opening nine call centers, creating more than **100 rural jobs**
- Call centers are open in Enterprise, Baker City, La Grande, Klamath Falls and Astoria
- Opening this month in Tillamook, North Bend, Hermiston and Milton-Freewater
- Call centers handle eligibility and benefits questions from program OHP and SNAP participants across Oregon



Klamath Falls Call Center Opening
November 2018



www.oregon.gov/dhs

