

# Oregon Department of Human Services

Presentation to the

## Senate Interim Committee on Human Services

Overdue Assessments and Safety at Screening

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# Predictive Analytics

# 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)

# 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%	

# Overdue Assessments

# Overdue Assessment Project



“Thanks for leading the charge!”

“This feels amazing; folks at West are feeling like a weight has been lifted.”

“We are very appreciative of the help we are receiving, and I know all of us have felt supported in this process.”

# Statewide Overdue Assessments

## August 2018

Totals Per District

**Central Office: 42**

D1- **517**

D2- **949**

D3- **1,237**

D4- **1,158**

D5- **1,438**

D6- **568**

D7- **91**

D8- **906**

D9- **115**

D10- **54**

D11- **136**

D12- **112**

D13- **28**

D14- **323**

D15- **1,032**

D16- **664**

**Total Outstanding- 9,370**

## December 13, 2018

Totals Per District

**Central Office: 2**

D1- **420**

D2- **1162**

D3- **889**

D4- **212**

D5- **367**

D6- **281**

D7- **206**

D8- **847**

D9- **155**

D10- **137**

D11- **179**

D12- **135**

D13- **46**

D14- **80**

D15- **744**

D16- **502**

**Total Outstanding- 6,364**

## Overdue Assessments since August

