

# Child Welfare – Is your data telling the right story?

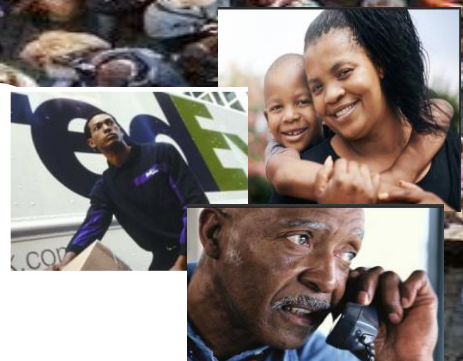
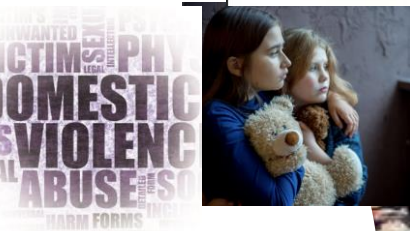
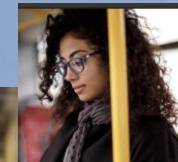


Welcome to NorthLand

Pop: 76,257

Est: 1859

NL OFS



FAMILY FIRST PREVENTION ACT

Expanding care to vulnerable segments

Improving health & human services





# NorthLand

## Office of Family Services



Robert – Program Manager



Clarence – Supervisor



Tim – Caseworker



How is my team performing against other in the county/state?

I feel like a data clerk and all I want to do is my job - take care of children and families!

Did I enter all the information? Am I missing something?

How effective are the programs I put in place?

Am I measuring the right metric to effect the outcome?

Are my case workers compliant with the policy mandates?



Clarence – Supervisor



Tim – Caseworker



Robert – Program Manager

# Data & Analytics

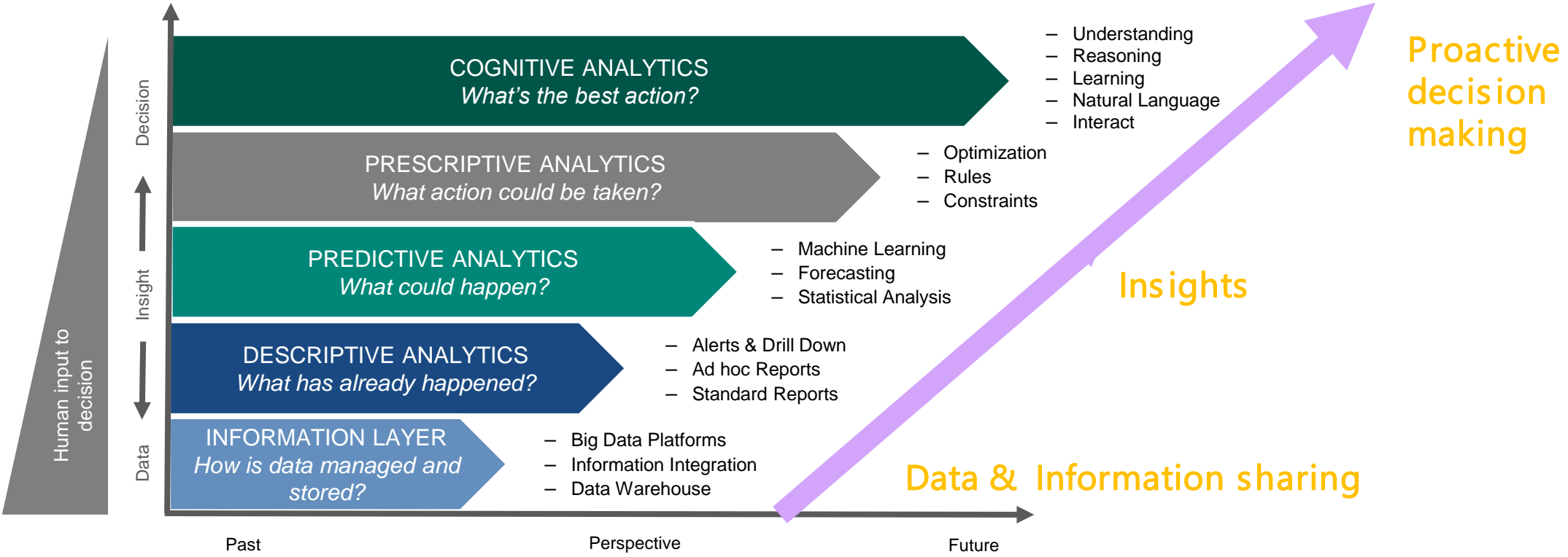
Trends & Benchmarks

Cohort Analysis

Quality Data

Actionable Insights

# The Analytic Journey





1

What is your data telling you?

2

Telling the story with Analytics



# Data Quality



We have over 20 data sources – is it being integrated properly?

I saw the child and entered the documentation. Why is it not showing up? My numbers cannot be this bad.

Did I enter all the information? Am I missing something?

I want to add SDoH data fields. How will that impact data quality? Should I talk to the architect about Data Governance?

Am I measuring the right metric to effect the outcome?

Are my case workers compliant with the policy mandates?



Clarence – Supervisor



Tim – Caseworker



Robert – Program Manager

# QUALITY DATA



# DATA QUALITY

Upstream

- Data errors in the database
- Data maintenance issues
- Data Quality Analyses

At the point of use

- Checking to ensure that users can go back and check data.

# Upstream Data Quality Analysis

- *Data Quality analysis at the data set level & the database level*

## Data Rule Summary

Data Rule Summary - Execution History

Project:	Reports_Pr
Report Name:	Data Rule
Report Generated:	2009-02-21
Time Zone:	UTC +05:30
User:	lauser lauser
Comments:	This is a Te
Execution Start Date:	2008-02-21
Execution End Date:	2010-02-21
Total Executions:	2

### Folder Categories

### Data Rule

Data Rule De

Rule One

Data Rule Na

### Data Rule

Execution Da

Execution Typ

Total Rows Te

Rows Met #

Benchmark S

PASS

Rule on

Type :

Creator

This is a

## Metadata Summary

### Database Profile Report

Project :	pubs
Report Name :	Database Profile 1
Report Generated :	2008-07-02 10:20:24
Time Zone :	UTC +05:30
User :	admin admin
Comments :	my comment
Host Name :	pubshs

## Metadata Summary

### Table Profile

Project :	pubs
Report Name :	Table Profile 2
Report Generated :	2008-07-02 10:56:59
Time Zone :	UTC +05:30
User :	admin admin
Comments :	my comment
Host Name :	pubshs
Data Store :	pubsds

### Schema Details

Schema Name :	dbo
Schema Alias :	data schema alias
Schema Definition :	data schema short desc

### Table Details

Table Name :	authorEx		
Table Alias :			
Table Definition :			
# of Columns :	9		
# of Rows :	4		
Defined Primary Key(s)	Accepted Primary Key(s)	Defined Foreign Key(s)	Accepted Foreign Key(s)
au_id			

## Metric Summary

### Metric Summary — Execution History

Project:	SQLSERVER
Report Name:	Metric Execution History Summary 3
Report Generated:	2009-03-03 09:41:57
Time Zone:	UTC -05:00
User:	admin admin
Description:	metric



Confidently add new data sets and metrics



Have faith in the information included in the reports

### Data Rule Summary

Data Rule Summary - Execution History

Project:	Reports_P
Report Name:	Data Rule
Report Generated:	2009-02-2
Time Zone:	UTC +05:3
User:	iauser iaus
Comments:	This is a Te
Execution Start Date:	2008-02-2
Execution End Date:	2010-02-2
Total Executions:	2

**Folder Categories**

### Metric Summary

Metric Summary — Execution History

Project: SQLSERVER

### Metadata Summary

Database Profile Report

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<b>Data Rule</b>
Data Rule De
Rule One
Data Rule Na
<b>Data Rule</b>
Execution Da
Execution Typ
Total Rows Te
Rows Met #
Benchmark S
PASS
<b>Rule on</b>
Type :
Creator
This is a



1

Recording client  
information

*Effective and efficient design  
supports quality information  
gathering = quality data*

2

Telling the story with  
Analytics





# Analytics



3,276

children where  
maltreated while in  
foster care

15.2%

of child fatalities where  
non-parents (i.e. kin,  
child care providers)  
were responsible

2 years

Minimum frequency for  
repeat background checks on  
Foster or Adoptive parents



How is my team performing against other in the county/state?

I have created this useful template – wonder if I can share it with Jessica and the others?

Did I enter all the information? Am I missing something?

How is the performance across counties and teams?

Am I measuring the right metric to effect the outcome?

Can I create a common set of reports and dashboards without having to call the IT analyst every single time?



Clarence – Supervisor



Tim – Case worker

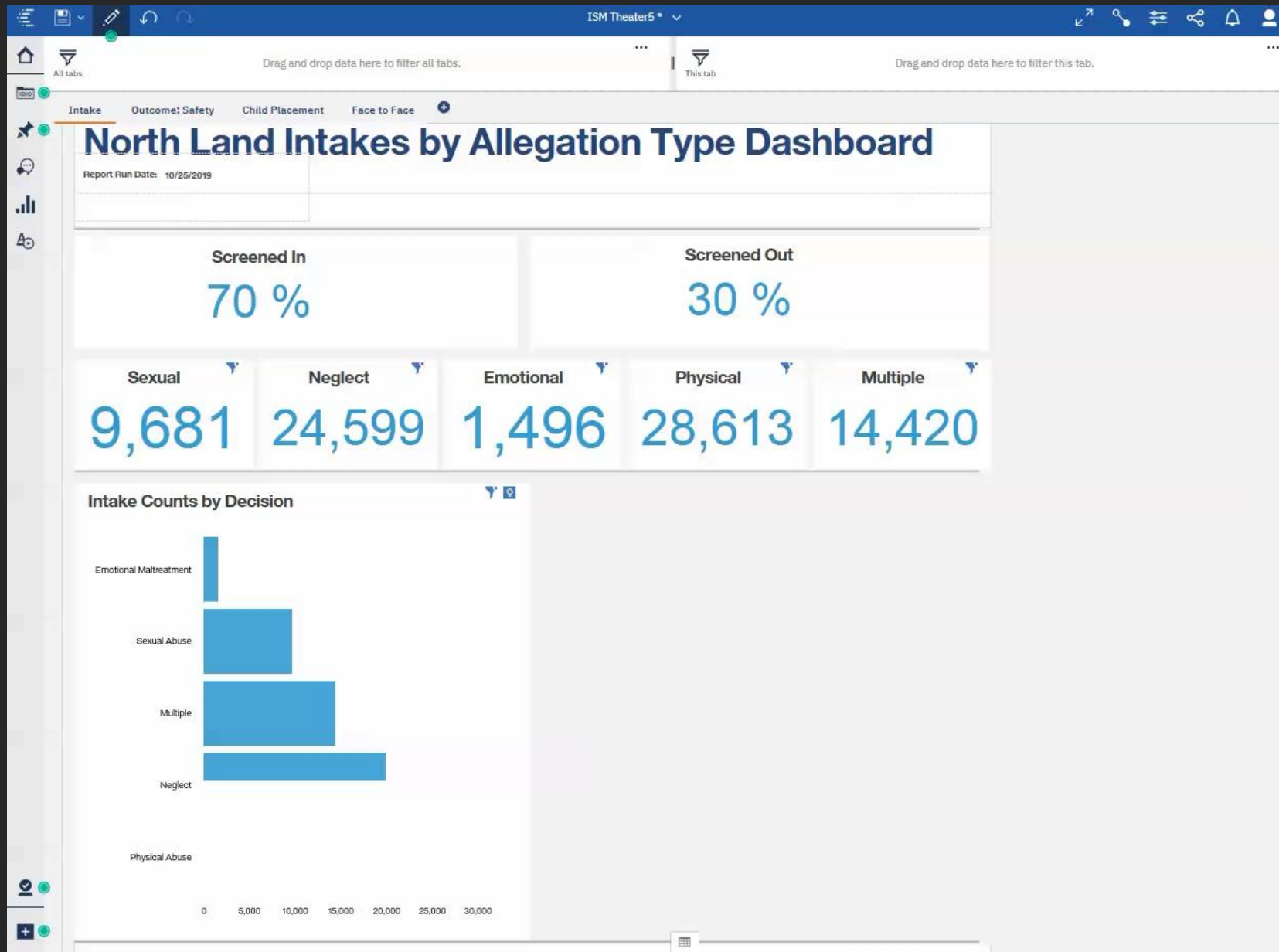


Robert – Program Manager

## Trends & Benchmarks

## Actionable Insights

## Cohort Analysis

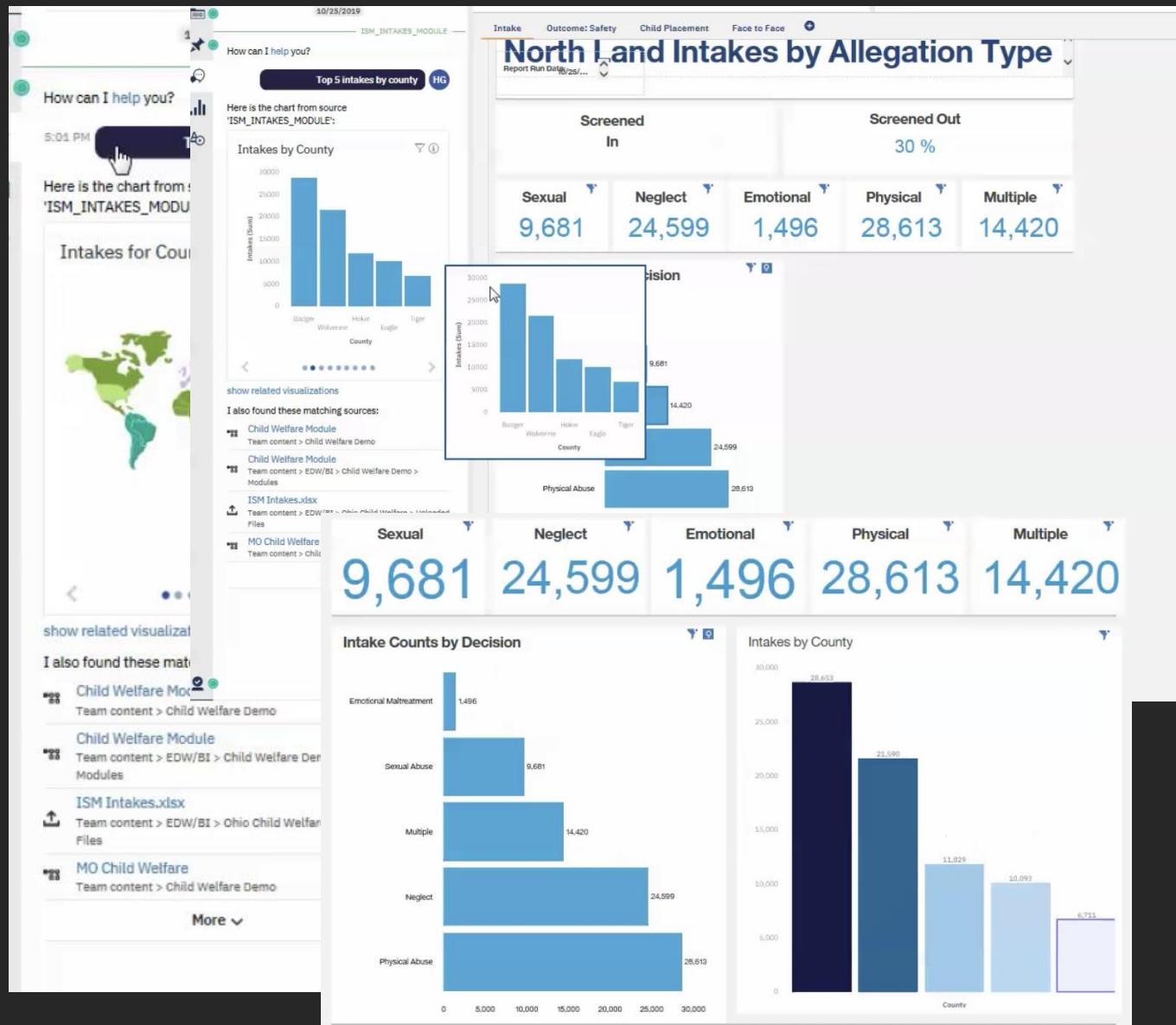




Saves me time – don't have to call the IT analyst.



I can share the template – we are all tracking the same thing.





How is my team performing against other in the county/state?

Are my case workers compliant with the policy mandates?



Clarence – Supervisor

**Trends & Benchmarks**

How is the performance across counties and teams?

Am I measuring the right metric to effect the outcome?



Robert – Program Manager

**Actionable Insights**

**Cohort Analysis**

# North Land Intakes by Allegation Type Dashboard

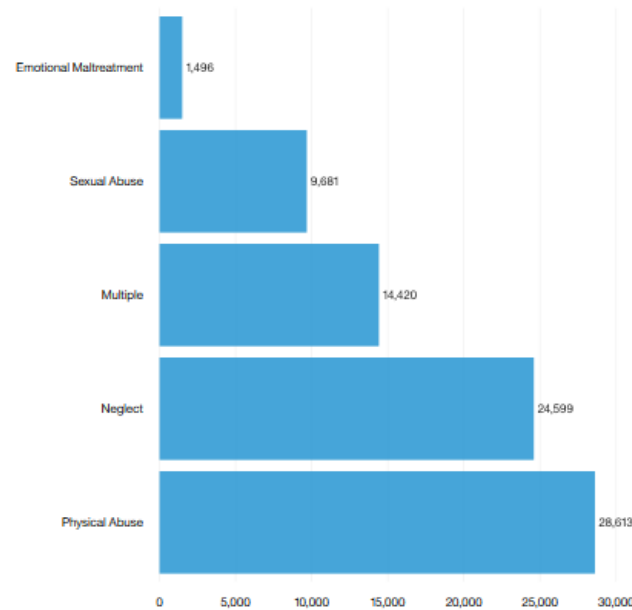
Report Run Date: 10/25/2019

Screened In  
**70%**

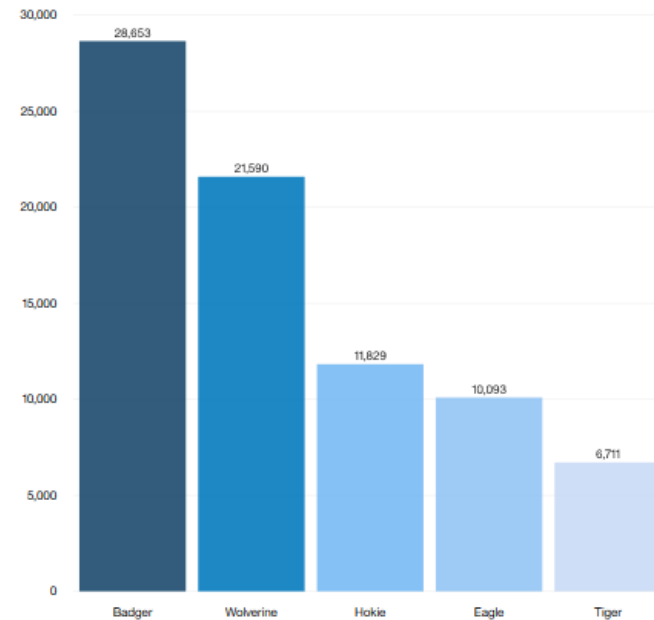
Screened Out  
**30%**

Sexual	Neglect	Emotional	Physical	Multiple
9,681	24,599	1,496	28,613	14,420

Intake Counts by Decision



Intakes by County



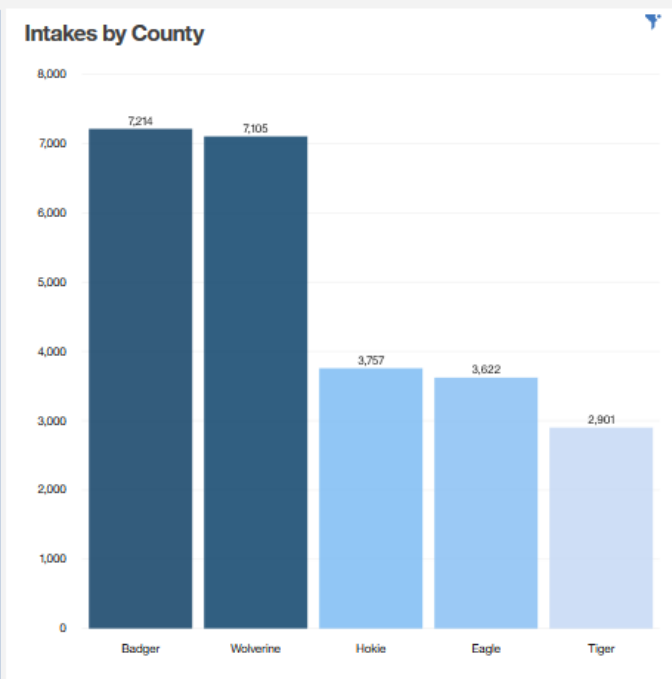
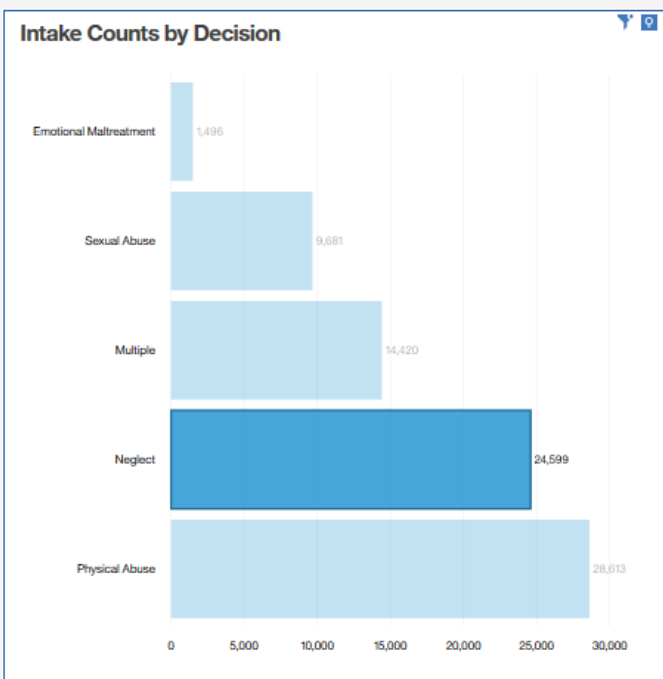
# North Land Intakes by Allegation Type Dashboard

Report Run Date: 10/25/2019

Screened In  
**70%**

Screened Out  
**30%**

Sexual (no value)	Neglect <b>24,599</b>	Emotional (no value)	Physical (no value)	Multiple (no value)
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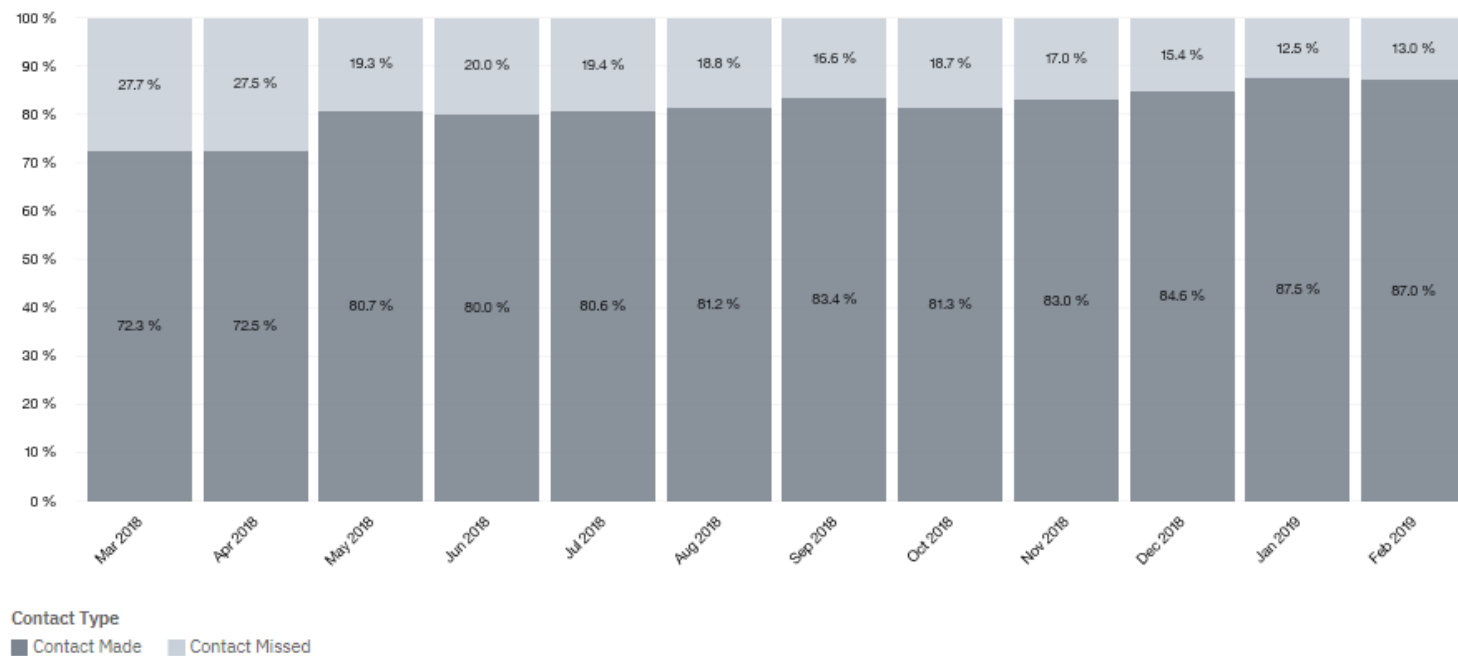
# Face to Face Contacts Dashboard

Report Run Date: 10/25/2019

## Contact Details by Region

Number of Cases	Contact Made	Contact Missed	Ended in Month	Started in Month
Badger	1,538	769	193	254
Eagle	617	315	72	117
Hokie	504	234	64	87
Tiger	917	460	103	142
Wolverine	1,427	739	184	228

## Cases - Trend



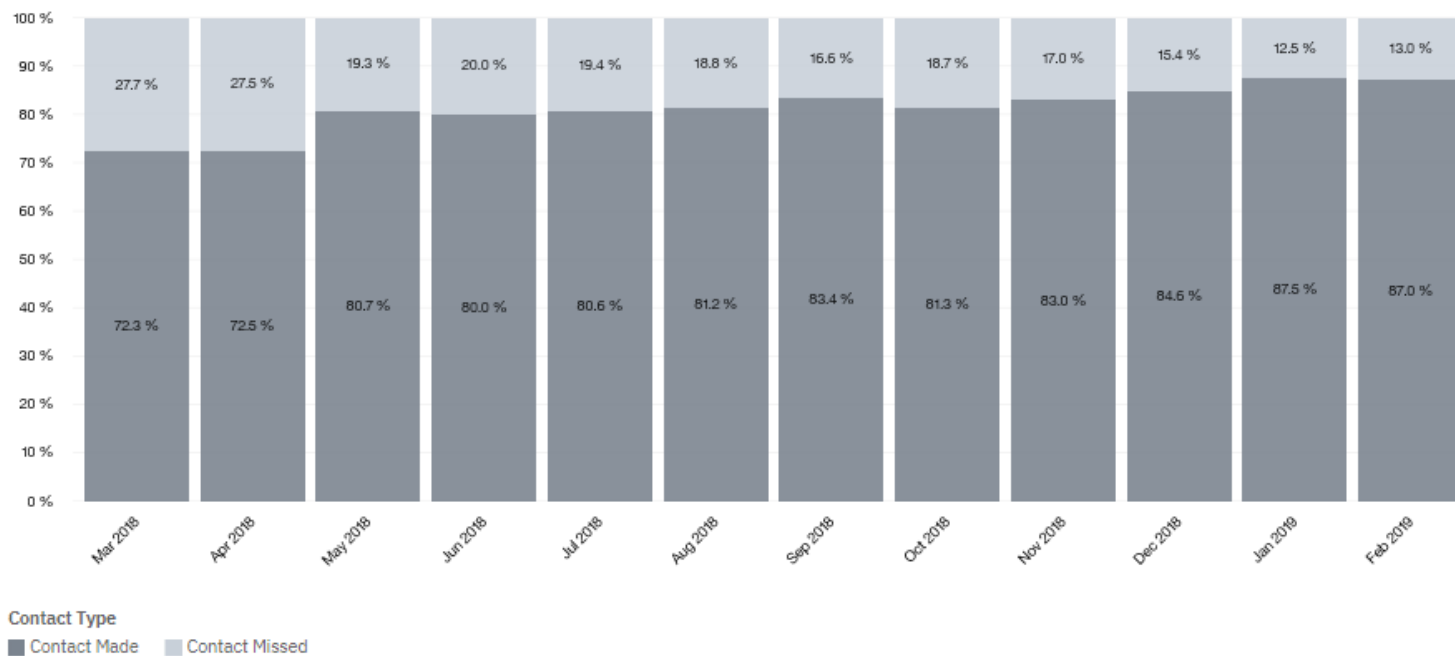
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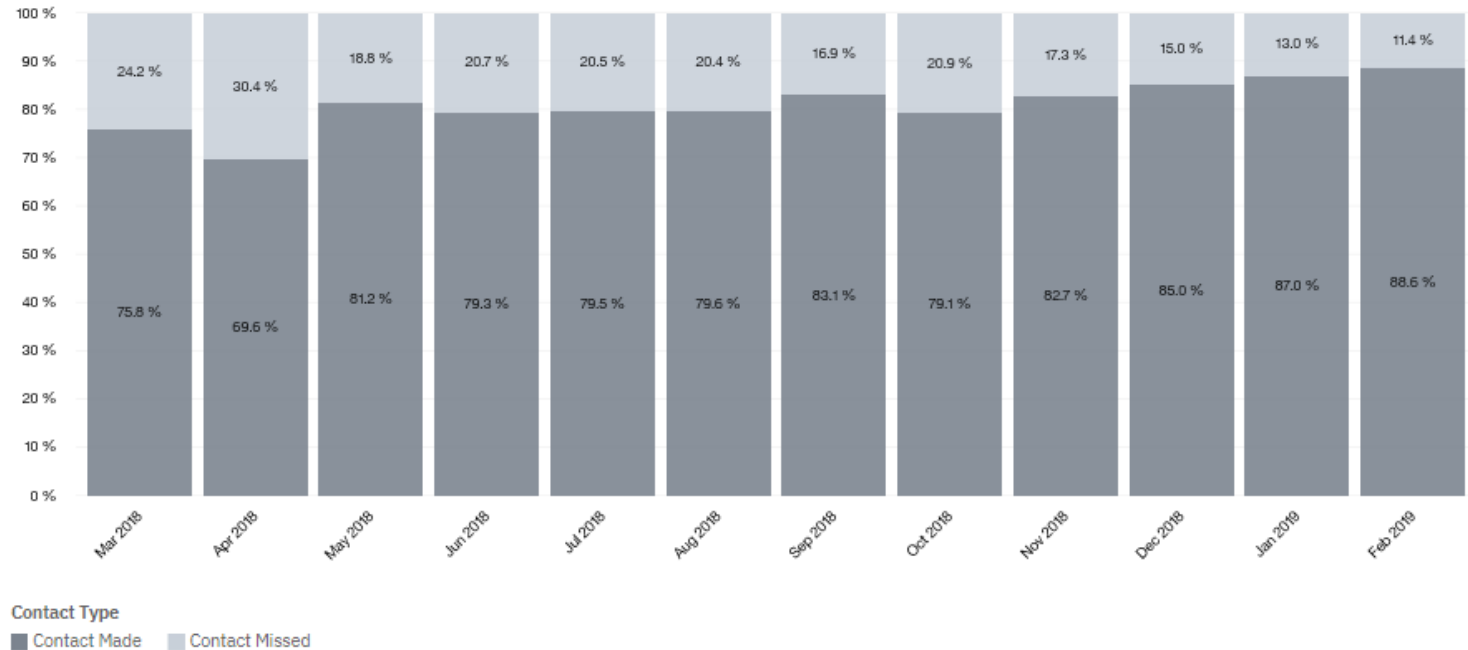
# Face to Face Contacts Dashboard

Report Run Date: 10/25/2019

## Contact Details by Office

Number of Cases	Contact Made	Contact Missed	Ended in Month	Started in Month
East Office	428	218	64	63
North Office	414	201	42	75
South Office	336	171	40	52
West Office	360	179	47	64

## Cases - Trend





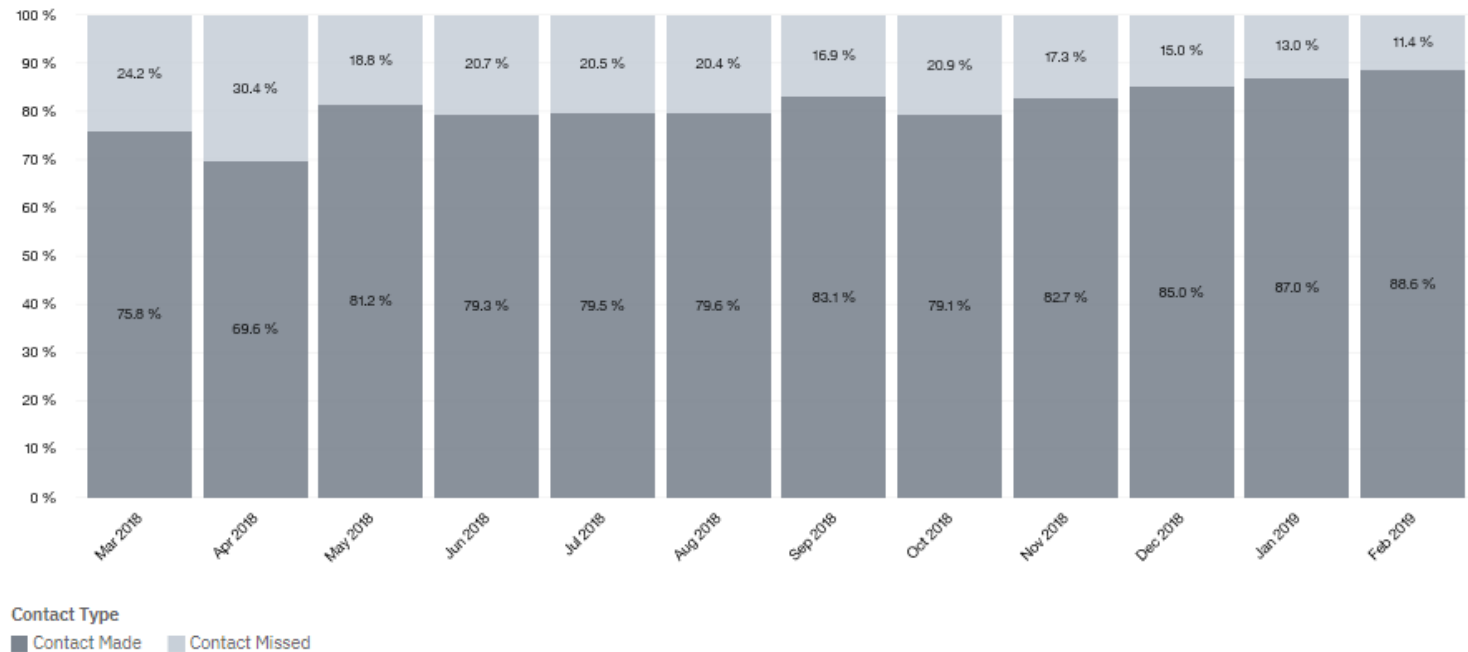
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## Cases - Trend



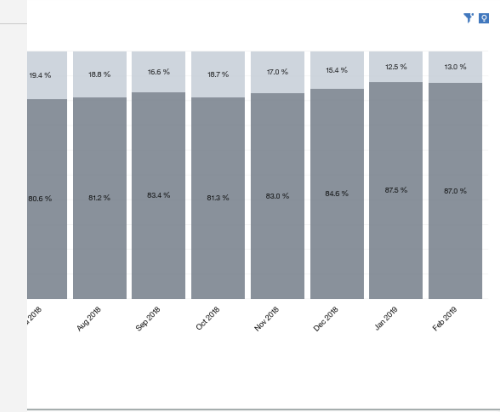
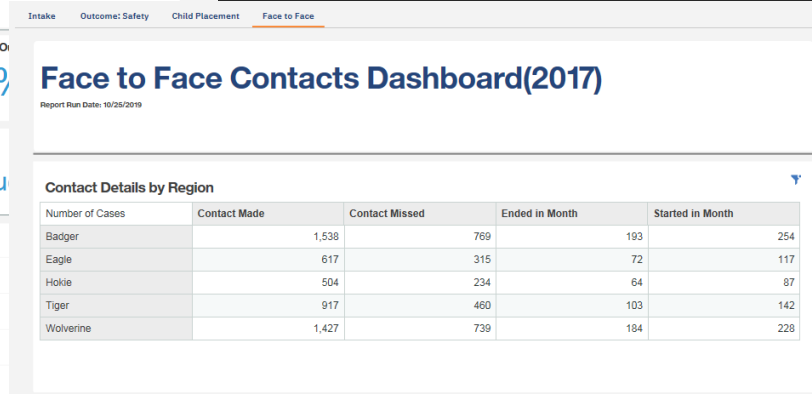
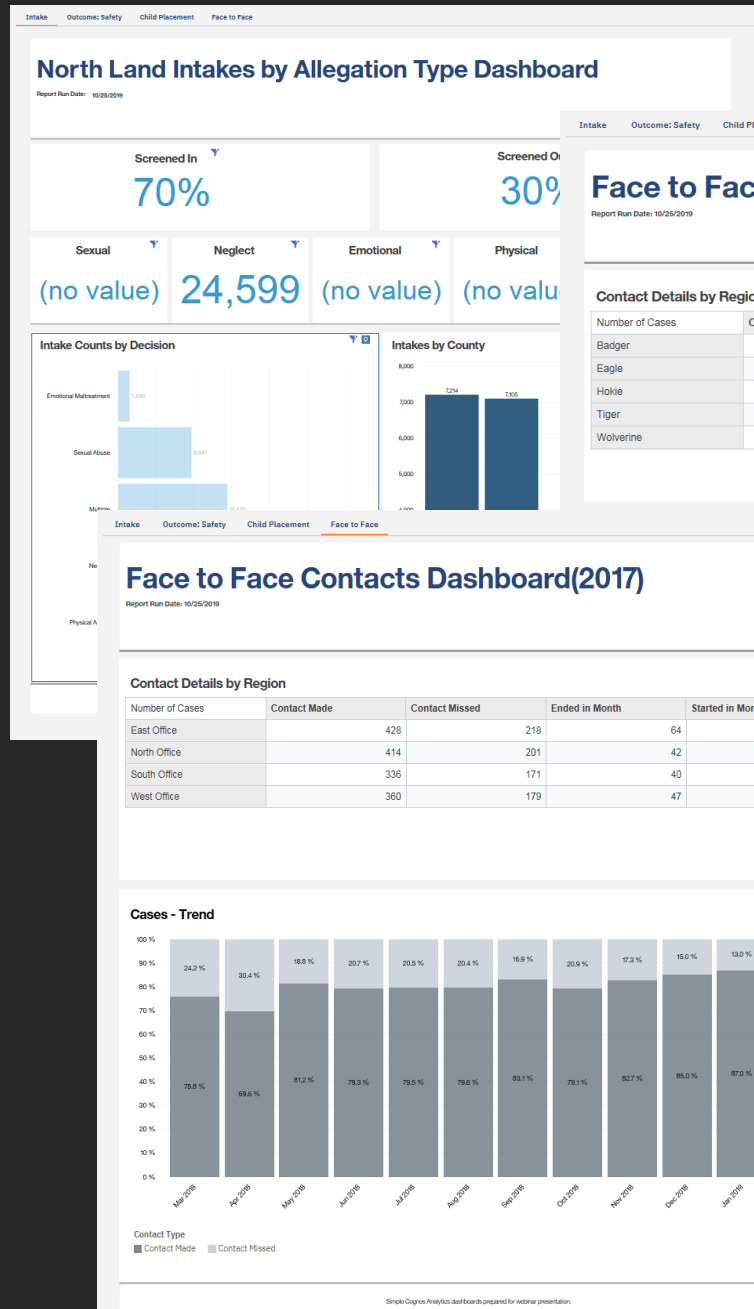


View performance on Key Performance Metrics



Can see performance at the state and in my regions

Determine compliance of identified measures



How is my team performing?  
How am I doing/

Jessica is new to the team? How is her performance?



Clarence – Supervisor



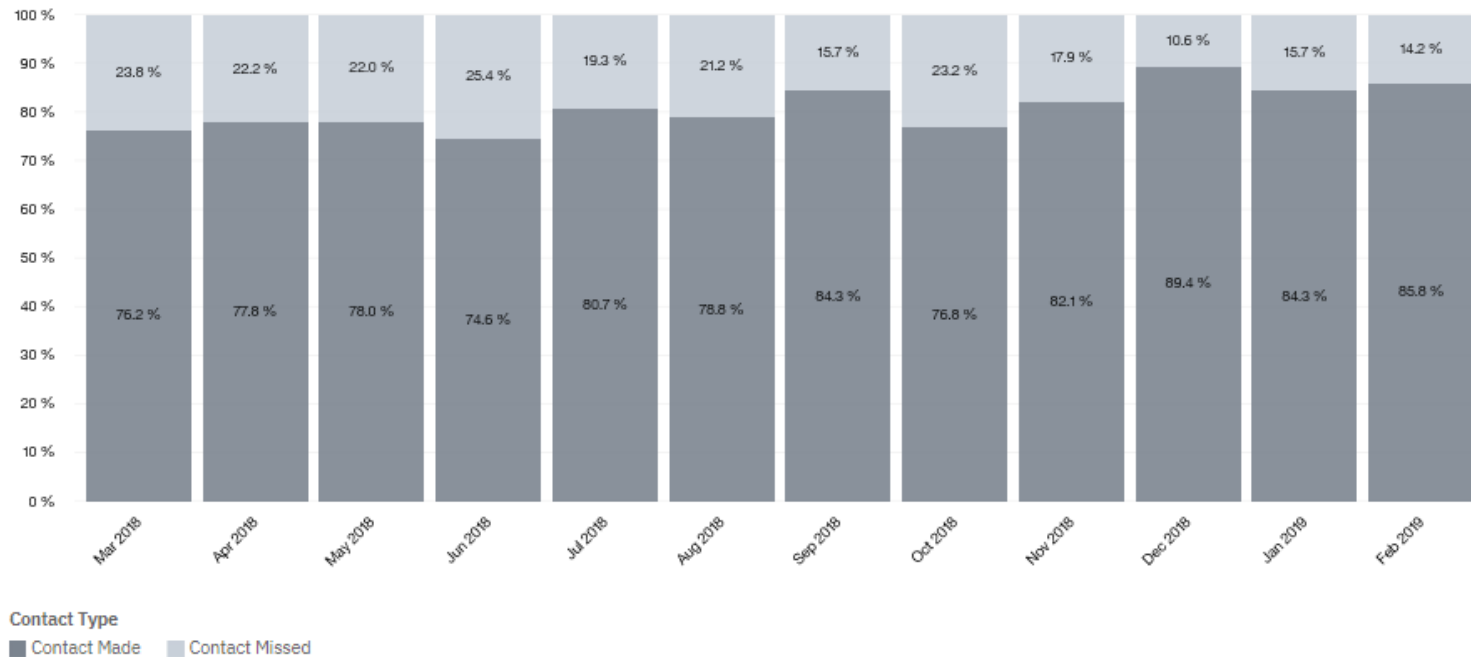
# Face to Face Contacts Dashboard

Report Run Date: 10/25/2019

## Contact Details by Supervisor

Number of Cases	Contact Made	Contact Missed	Ended in Month	Started in Month
Clarence Scott	117	66	27	15
Jannet Maringly	61	31	5	11
Leon Burns	103	52	11	17
Marv Montgomery	68	32	10	8
Vernon Holland	79	37	11	12

## Cases - Trend



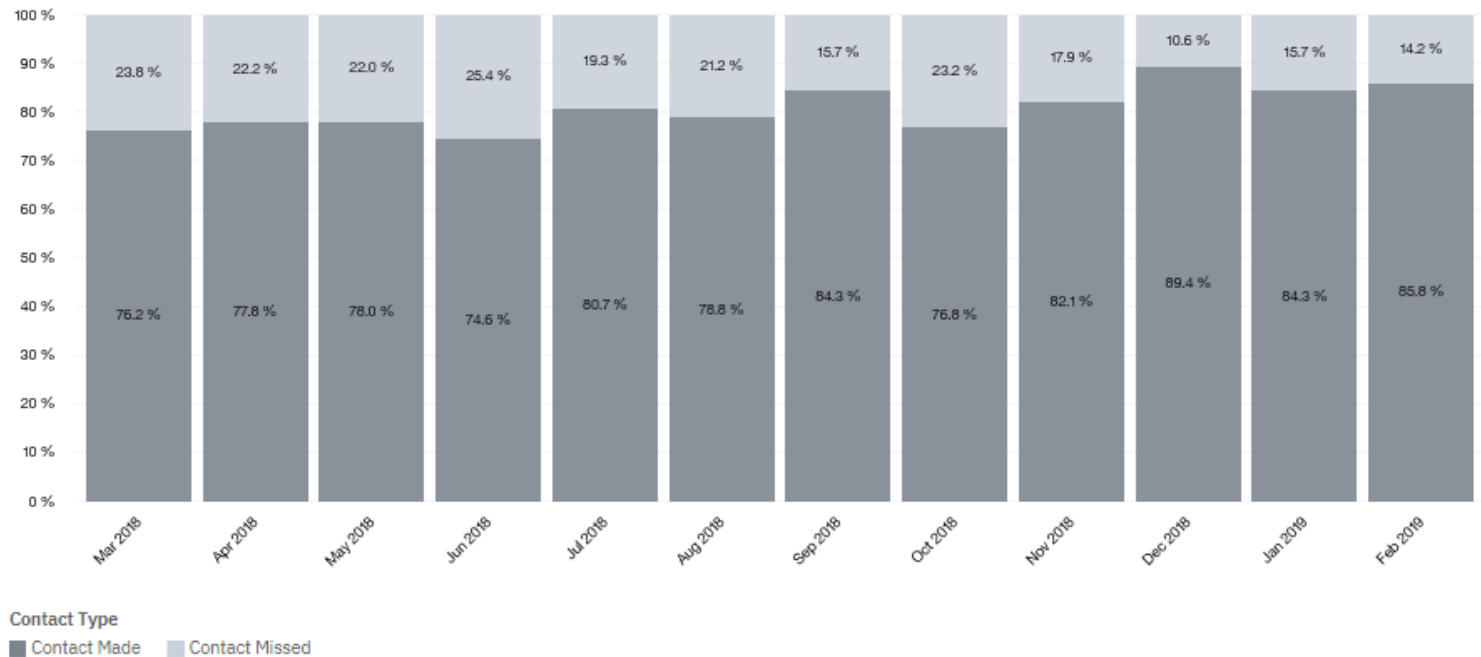
# Face to Face Contacts Dashboard

Report Run Date: 10/25/2019

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## Cases - Trend



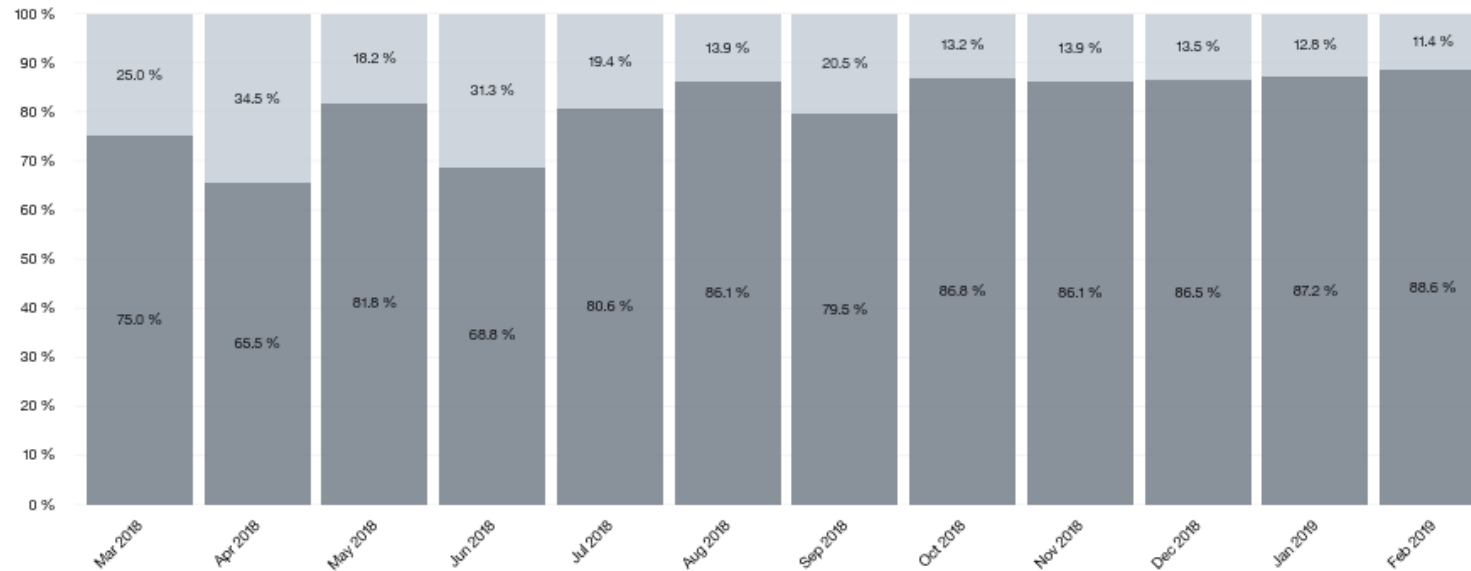
# Face to Face Contacts Dashboard

Report Run Date: 10/25/2019

## Contact Details by Caseworker

Number of Cases	Contact Made	Contact Missed	Ended in Month	Started in Month
Henry Reed	27	14	8	4
Jessica Popplewell	27	15	6	4
Ronda Maree	27	18	7	3
Tim Oesterling	36	19	6	4

## Cases - Trend



### Contact Type

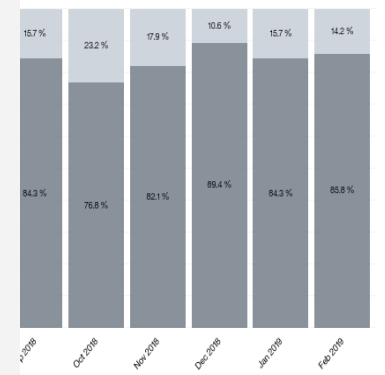
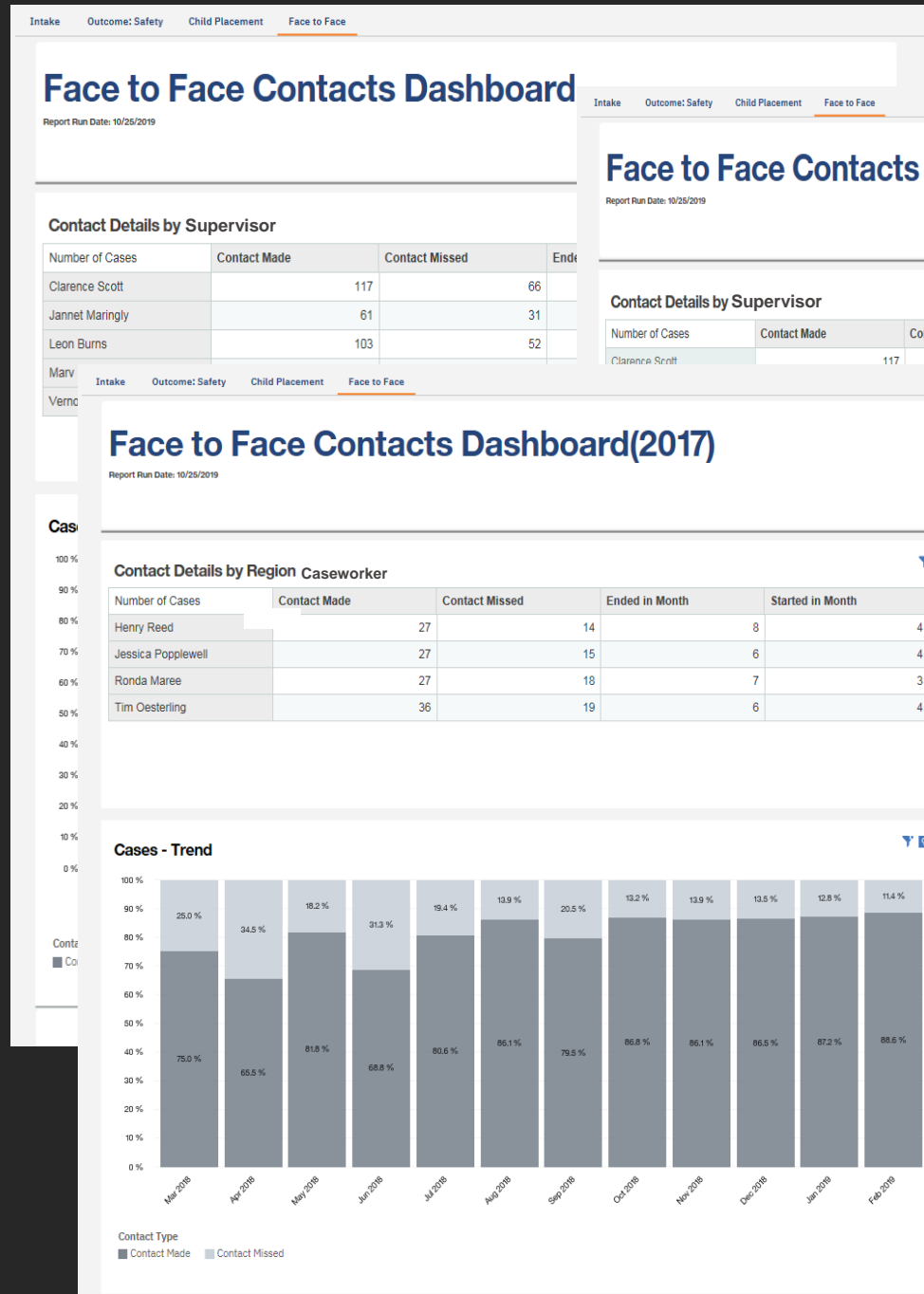
■ Contact Made ■ Contact Missed



My team is performing very well, although it is not equal across all members

How can I better distribute the cases among my team?

How can I help train Jessica better?



Where are the placements happening?

How do the county/office placement numbers look like?

Did I enter all the information? Am I missing something?

Do we have enough resources necessary to

Am I measuring the right metric to effect the outcome?

Are my case workers compliant with the policy mandates?



Clarence – Supervisor



Tim – Case worker



Robert – Program Manager

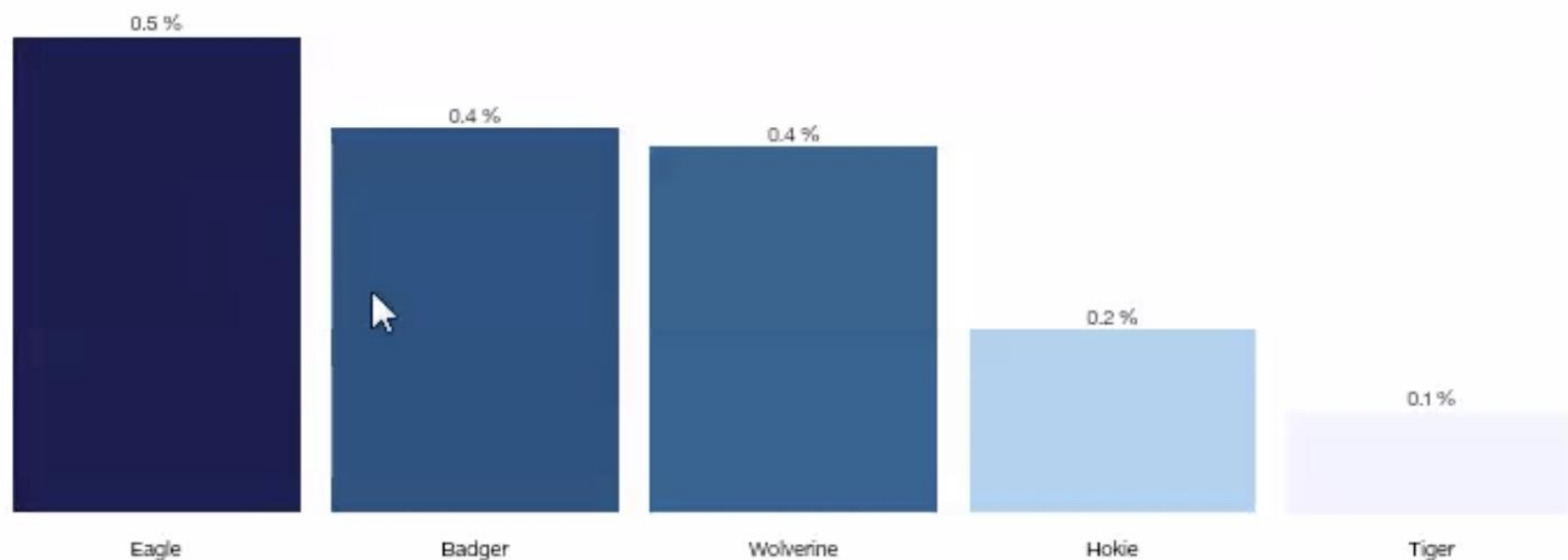
# North Land Child Welfare Dashboard

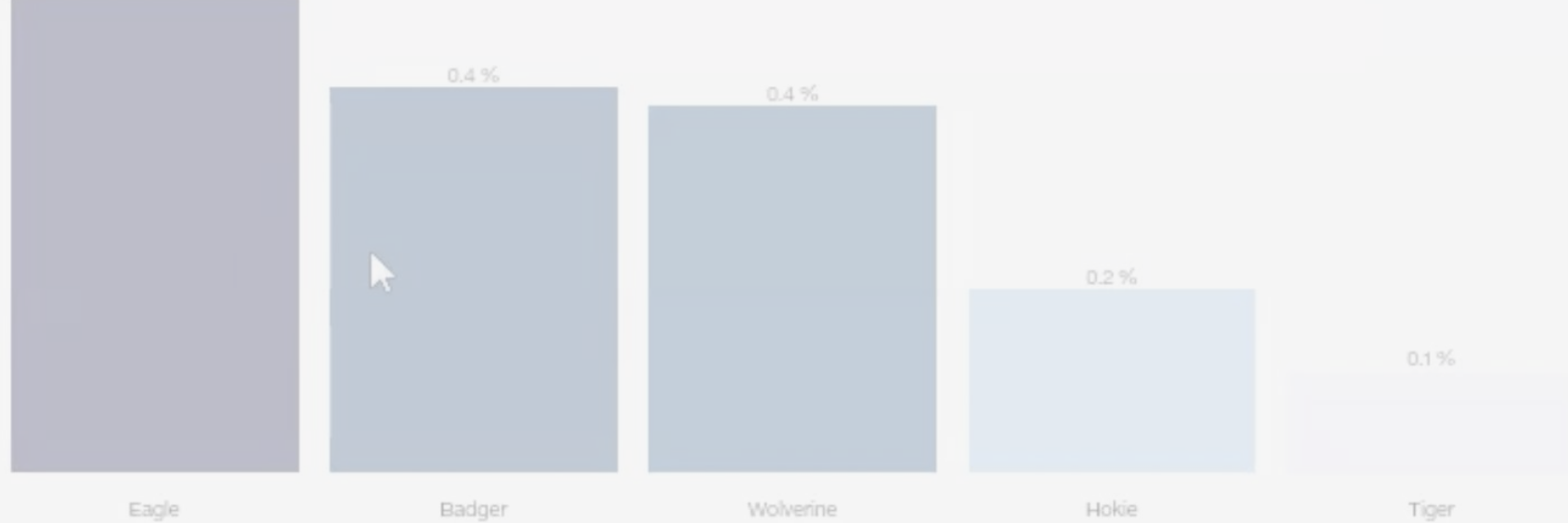
Report Run Date: 10/25/2019

## Maltreatment Response Rate

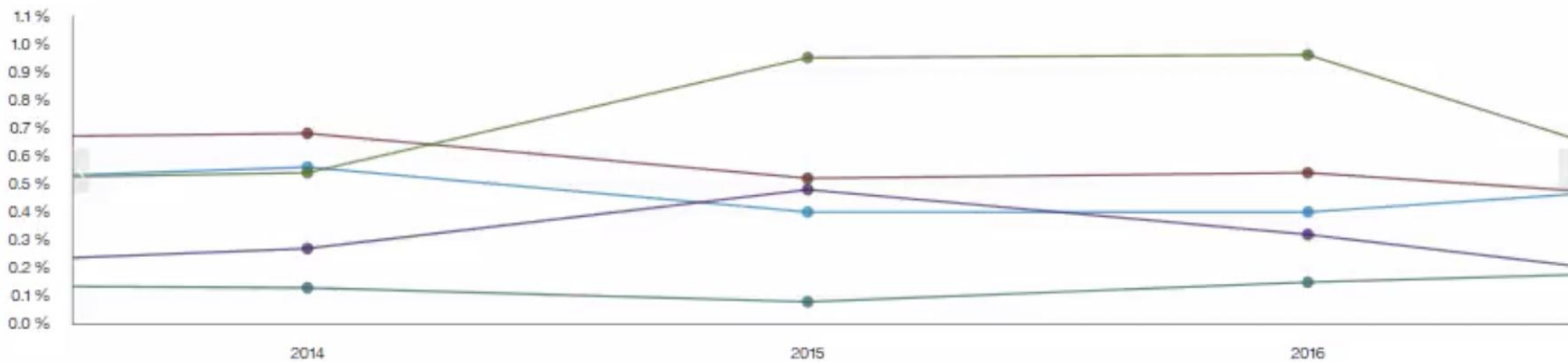
1.7 %

## Maltreated While in Foster Care (2017)





### Maltreated While in Foster Care Trend



#### Regions

● Badger
 ● Eagle
 ● Hokie
 ● Tiger
 ● Wolverine



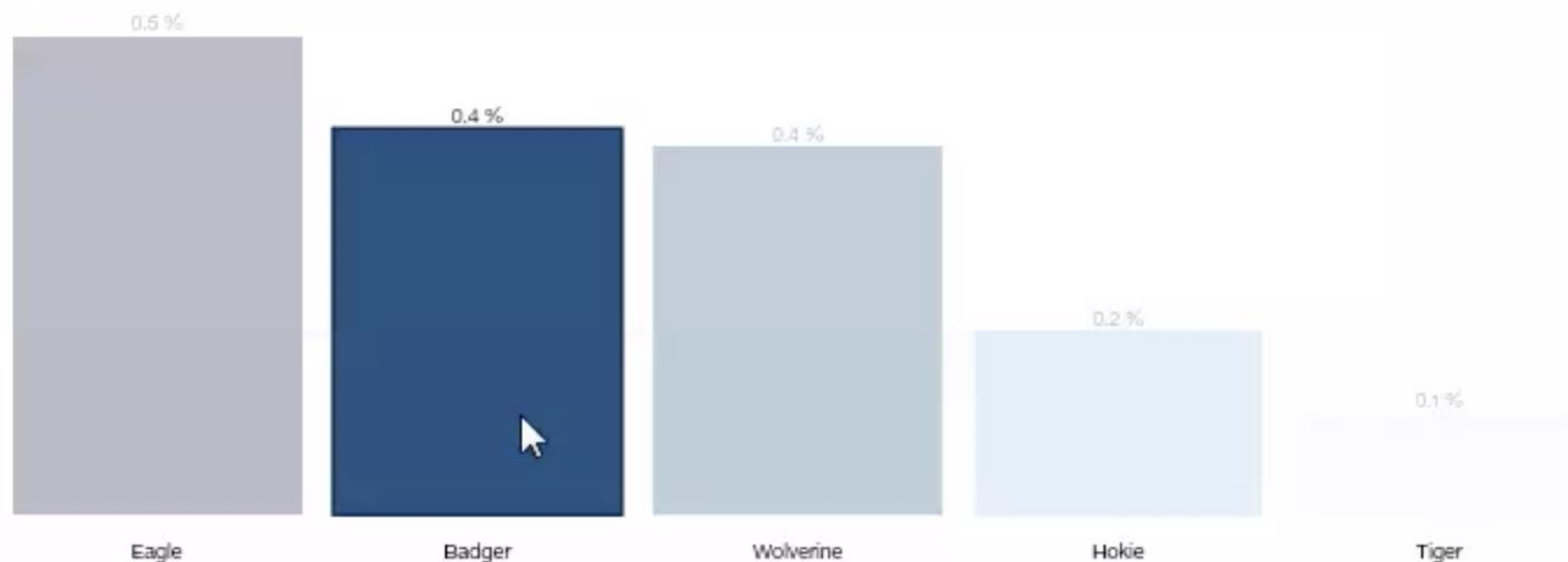
# North Land Child Welfare Dashboard

Report Run Date: 10/25/2019

## Maltreatment Response Rate

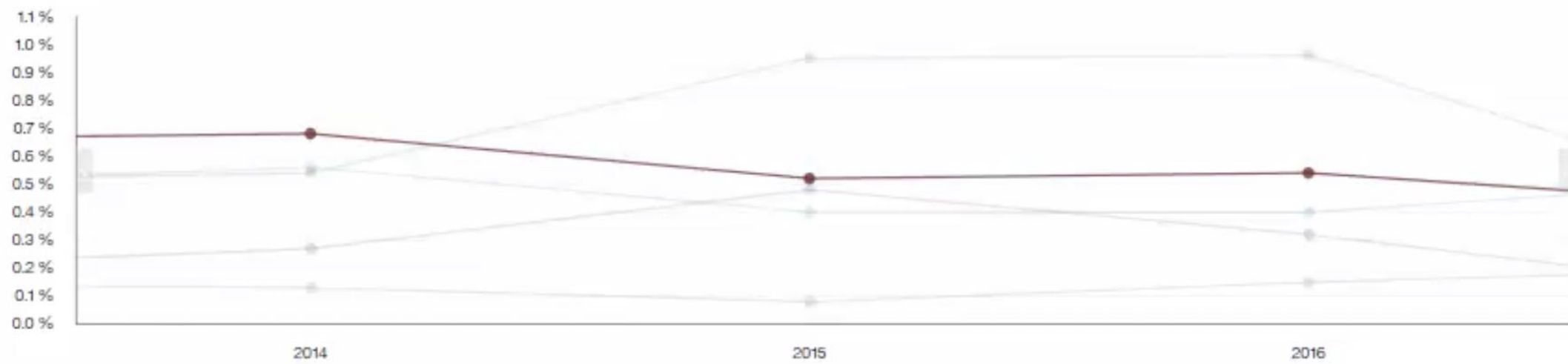
0.4 %

### Maltreated While in Foster Care (2017)





### Maltreated While in Foster Care Trend



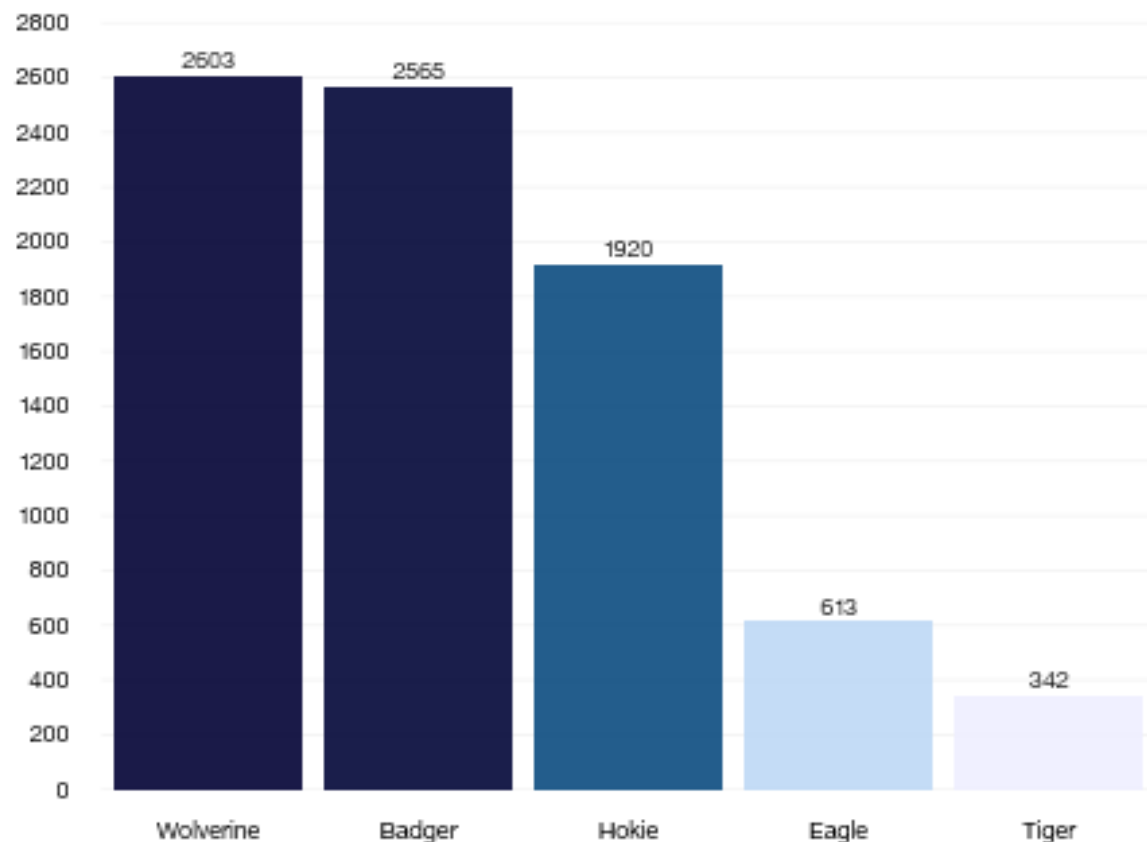
#### Regions

- Badger
- Eagle
- Hokie
- Tiger
- Wolverine

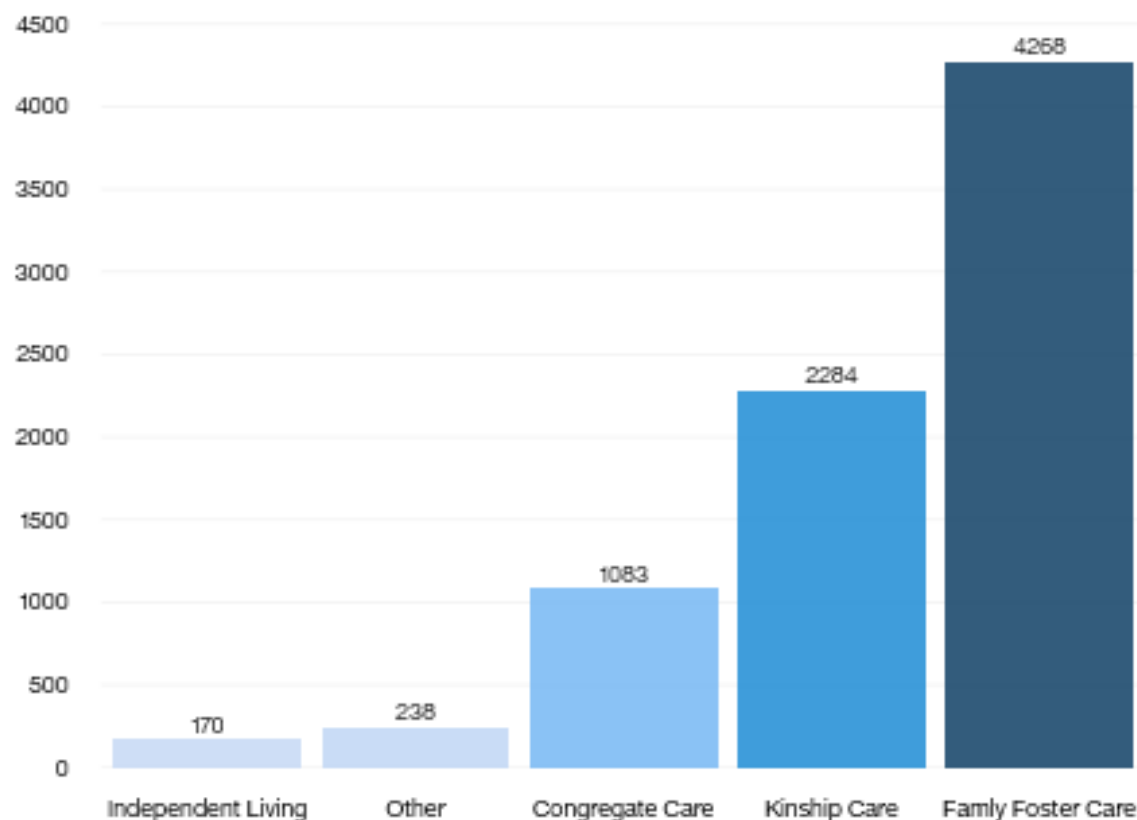
# North Land Child Placement Dashboard

Report Run Date: 10/25/2019

## Count by Region



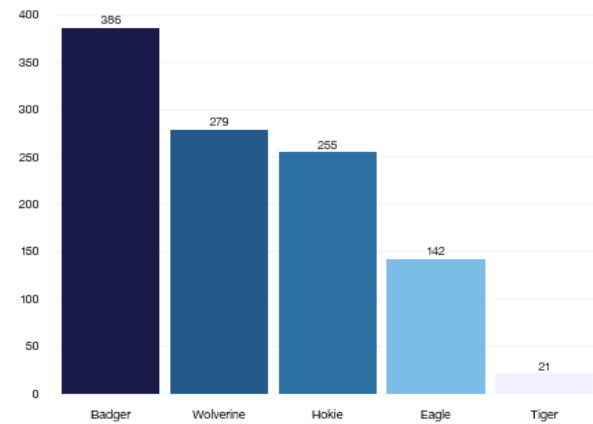
## Count by Placement Type



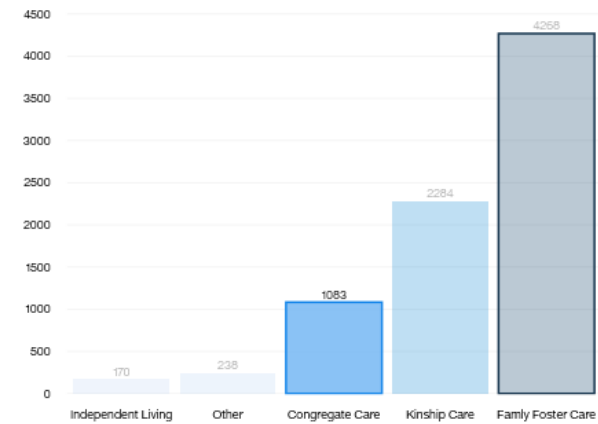
# North Land Child Placement Dashboard

Report Run Date: 10/25/2019

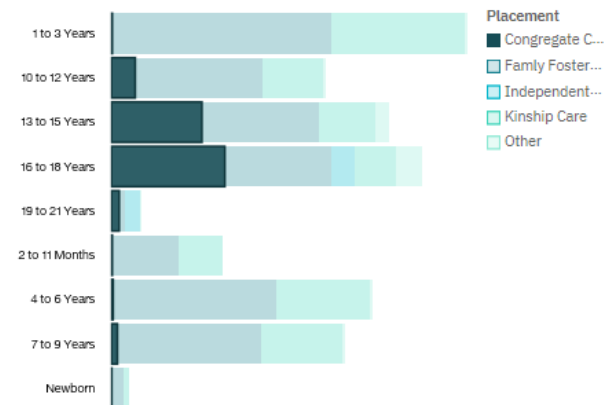
## Count by Region



## Count by Placement Type

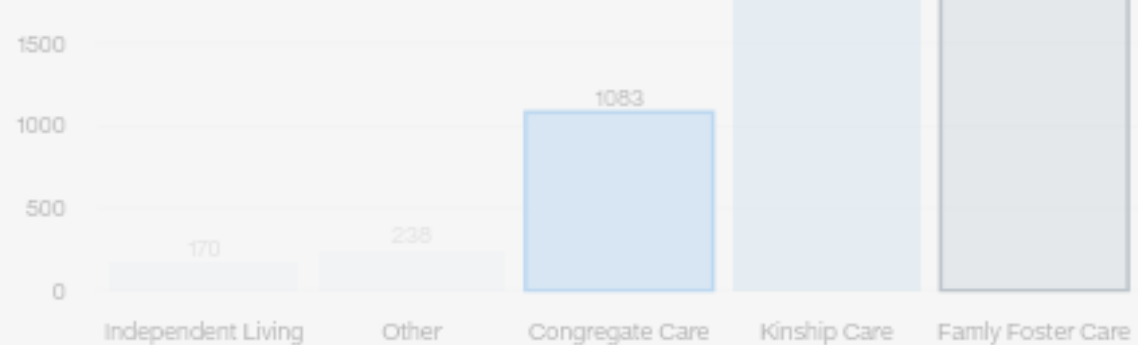
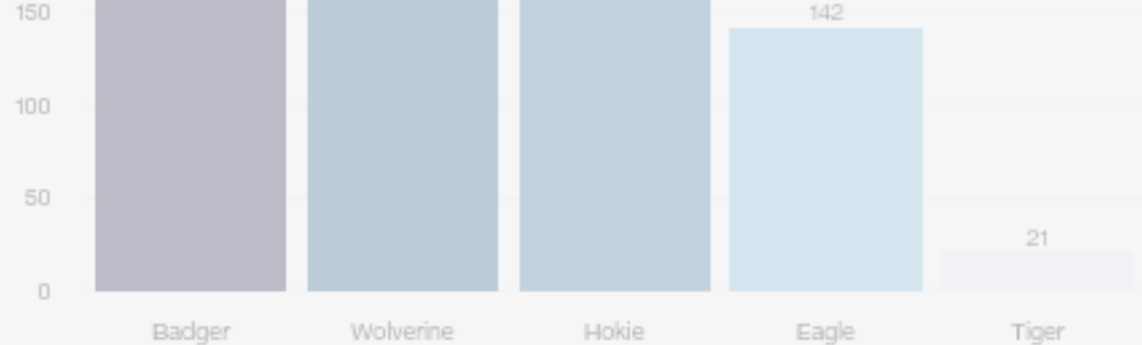


## Count by Placement Type and Age Group

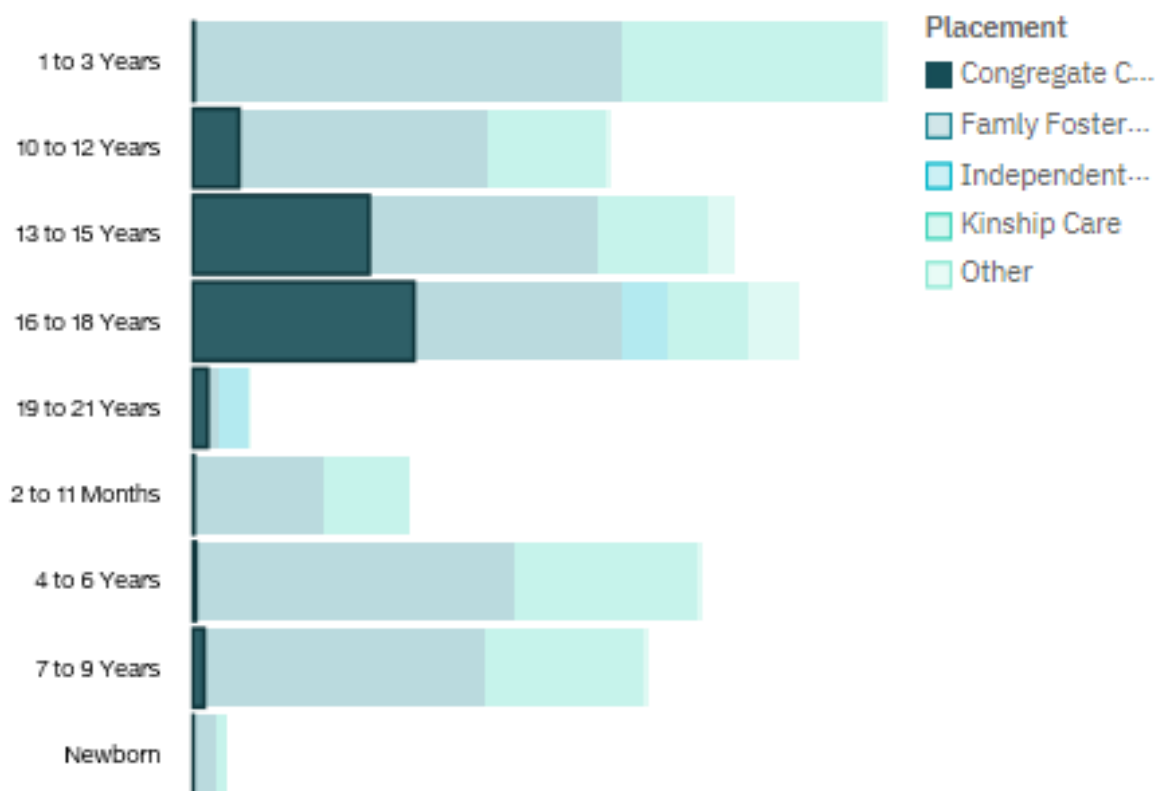


## Count by Placement Type and Age Group

Children_in_Care	Years	13 to 15 Years	16 to 18 Years	19 to 21 Years	Other
Congregate Care	105	401	503	34	0
Family Foster Care	568	519	472	26	0
Kinship Care	266	248	183	0	0
Other	11	62	120	6	0
Summary	950	1230	1278	66	0



### Count by Placement Type and Age Group



### Count by Placement Type and Age Group

Children_in_Care	Years	13 to 15 Years	16 to 18 Years	19 to 21 Years	Other
Congregate Care	105	401	503	34	0
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Kinship Care	266	248	183	0	0
Other	11	62	120	6	0
Summary	950	1230	1278	66	0







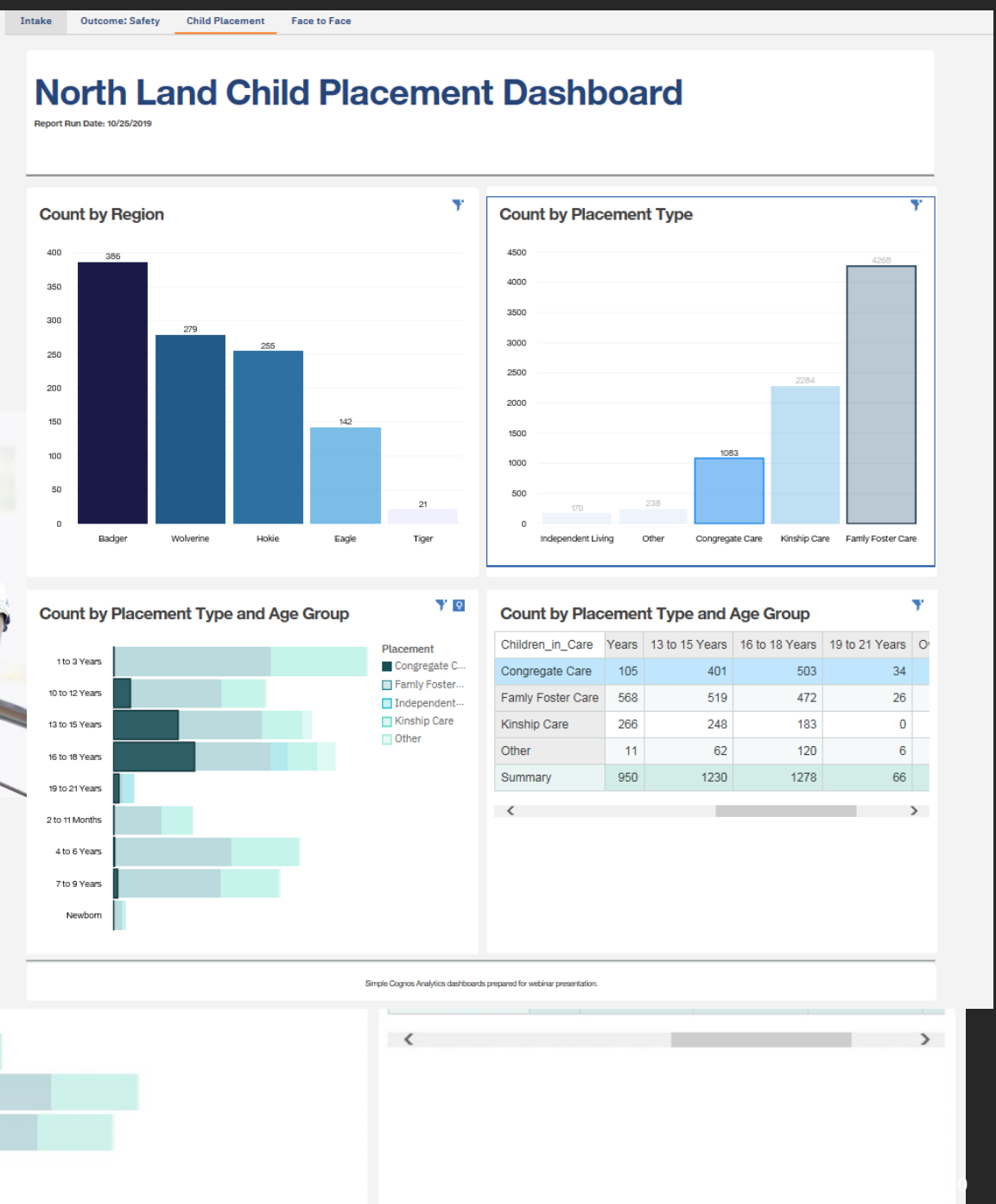
Confident that the metric can be tied to the outcome.

Compliance with policy mandates like Family First Prevention Act



Determine placement estimates

Identify where placements are happening



Do my case workers have all the information they need?

Are my case workers compliant with the policy mandates?



Clarence – Supervisor

How can I make sure that this new person will not hurt the child?

Do I have all the information needed to make the right decision?



Tim – Case worker

Background check conducted at the time of application is successful

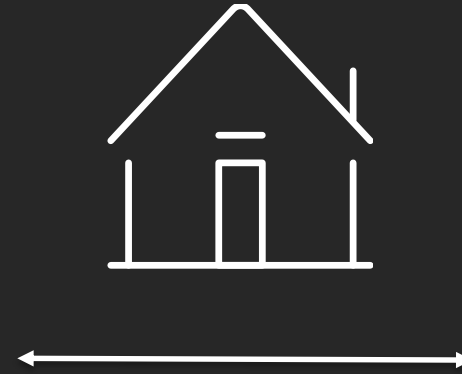


Joan applies to be a foster parent



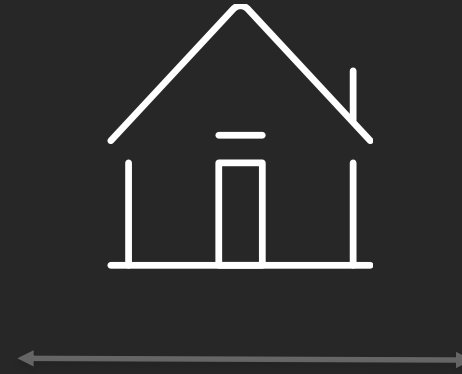
Background check is successful

Max is placed under Joan's care with current information



Max is placed under Joan's care

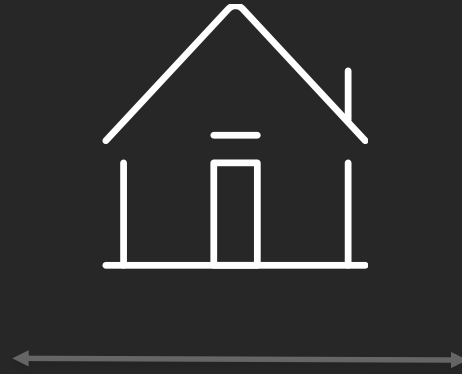
Integration to other data sources for most current information



Billy, relative of Joan, provides her address in the parolee system



Without continuous vetting, the possibility of the child's safety could be at risk



Offender is in close proximity to Max



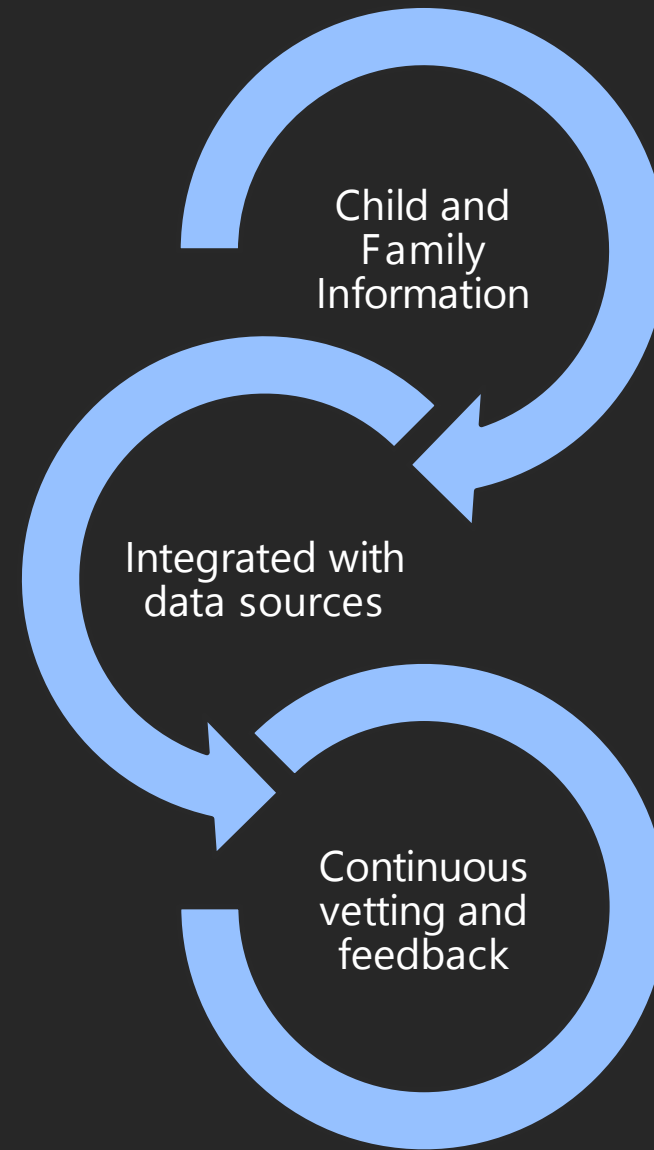
Billy, relative of Joan, provides her address in the parolee system



The right decision was made based on accurate information



I know I need to inform the family and possibly call for some police protection.



1

Recording client information

*Effective and efficient design supports quality information gathering = quality data*

2

Telling the story with Analytics

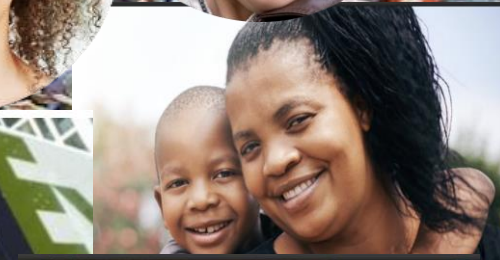
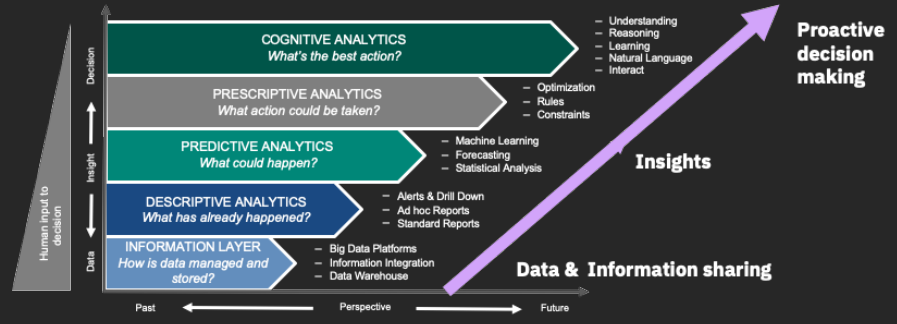
*Meaningful insights to drive actionable outcomes*

*Continuous vetting of current information*

*Intuitive visualization to understand the story*







Thank You!