

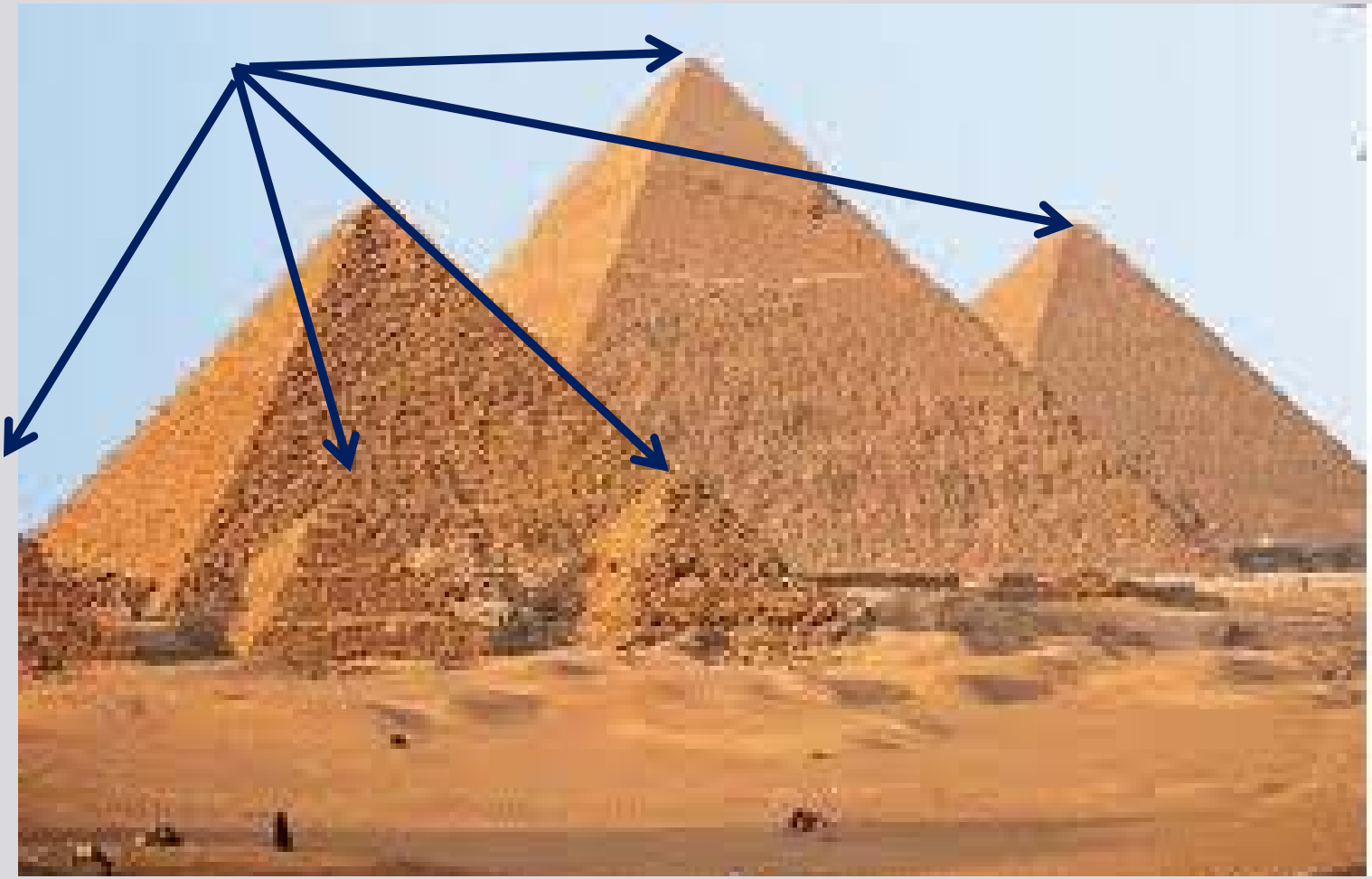


Louisiana Child Welfare GIS and BI

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Support Teams- Foundation of Social Services





Developing Iterations

- Conceptual GIS model for child welfare
 - Louisiana developed Food Stamp Fraud GIS application
- Conceptual BI Model for child welfare
 - Louisiana Developed CFSR Outcomes Model after reviewing several models from other states.



System Strengths

- Fairly well stocked with data in warehouses
- Robust tool set for data storage, ETL and reporting
- High admin support for data usage
- Getting into a groove
- Just finishing wireless roll-out for field



System Challenges

- Un-modeled data sets across and within program data
- Very large data sets for some programs
- Diverse set of tools used for reporting
- Historical CPU availability shortage
- Multiple reporting storage servers
- Getting front end users to use new tools
- Old to Very Old legacy systems

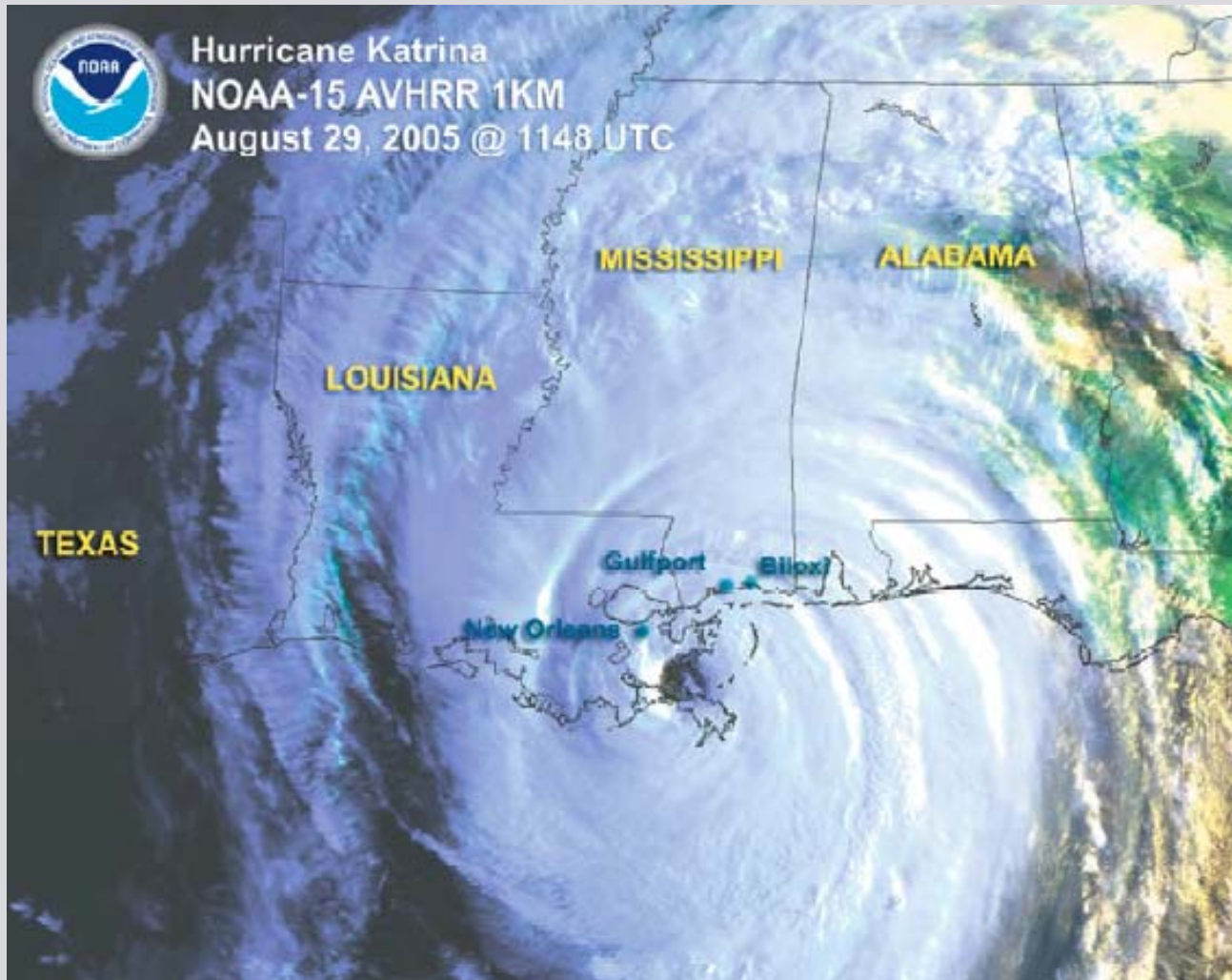


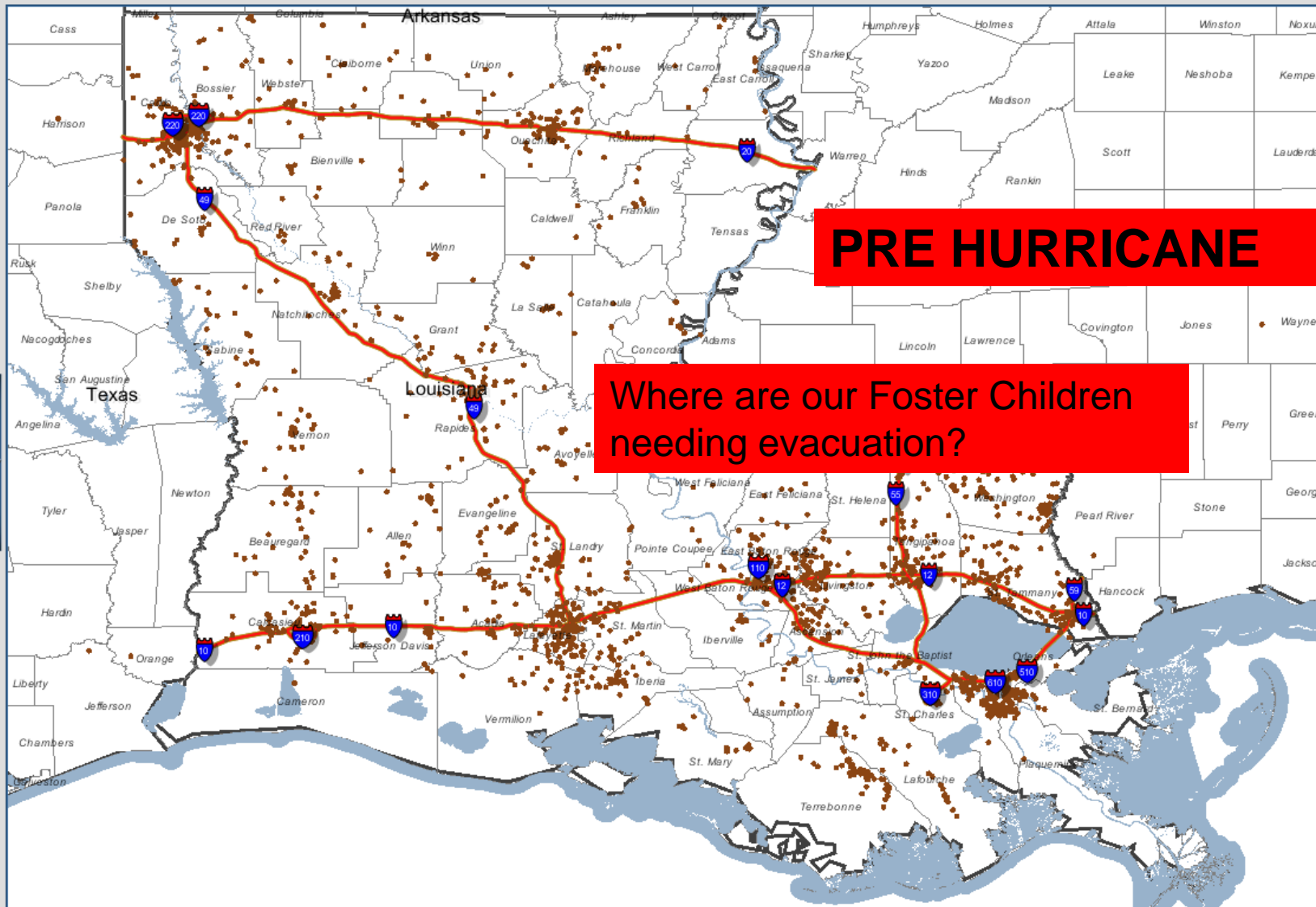
Program Goal

- Use Aggregate and Case Data to inform, evaluate and improve case practice



Use Aggregate Data to inform and improve case practice





PRE HURRICANE

**Where are our Foster Children
needing evacuation?**



Emergency Processes

- Know where our foster children are pre storm.
- Track foster children and foster families after storm.
- Update location in data system.
- Refresh data in warehouse.
- Have GIS visual of where FC currently are.



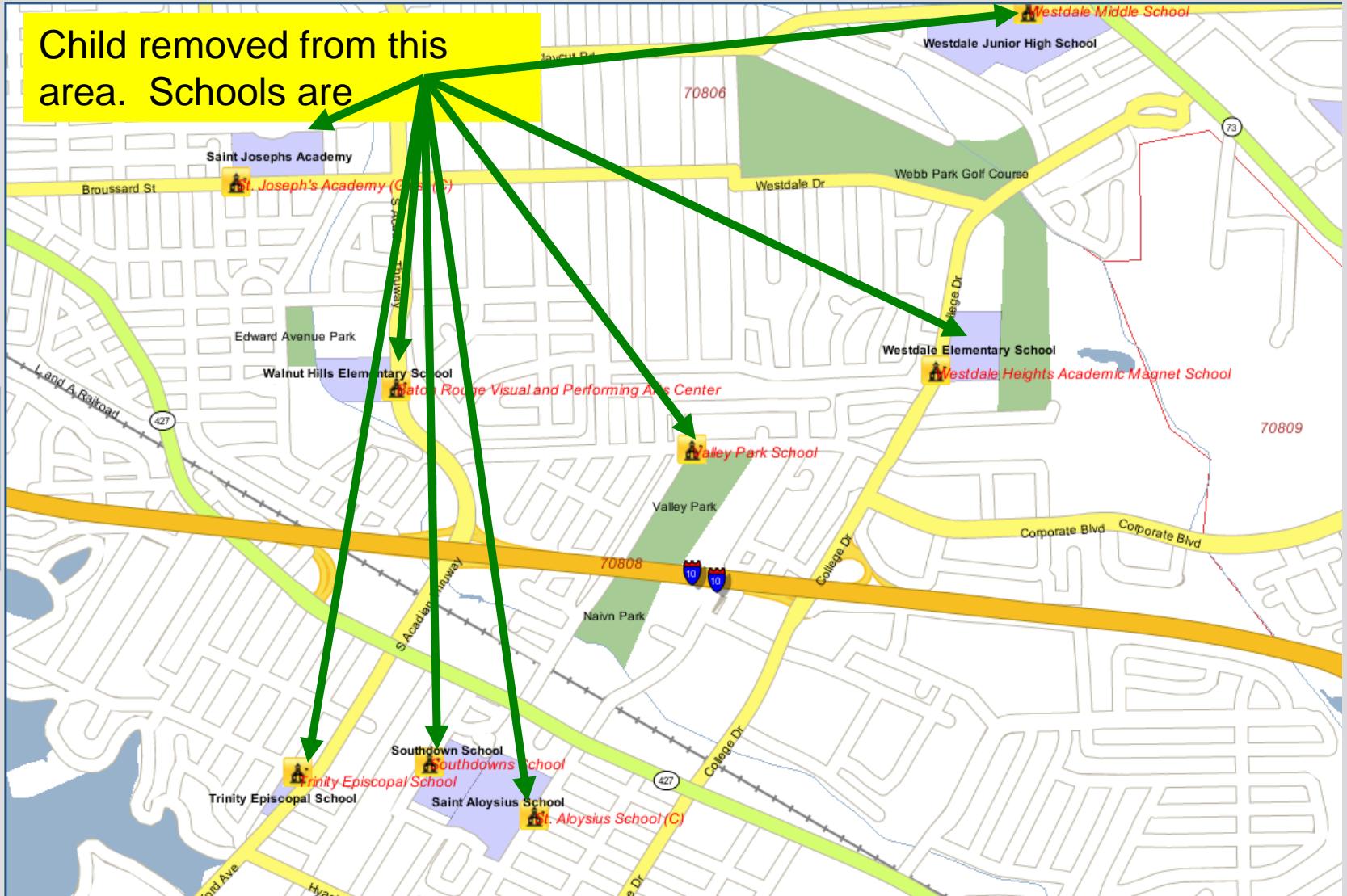
Use Case Data to inform, evaluate and improve case practice



- Removing children during a child protection investigation.



Child removed from this
area. Schools are





Nav. Bar Provides Foster Home Search

Based on ZIP code of removal.

Provider Search Form

Name

Address

City ALL


Parish ALL

Region ALL

Zip Code

Search Criteria

	Male	Female
Genders served by Provider:	N/A <input type="text"/>	N/A <input type="text"/>
Min Age	0 <input type="text"/>	0 <input type="text"/>
Max Age	21 <input type="text"/>	21 <input type="text"/>



**Department of
Social Services**
Office of Community Services

Program ALL

Report Format HTML

<input type="checkbox"/> Number	<input type="checkbox"/> Address	<input type="checkbox"/> State	<input type="checkbox"/> Female	<input type="checkbox"/> Race Served	<input type="checkbox"/> Availability
<input type="checkbox"/> Name	<input type="checkbox"/> City	<input type="checkbox"/> Zip Code	<input type="checkbox"/> Min Age Male	<input type="checkbox"/> Min Age Female	<input type="checkbox"/> Approved Capacity
<input type="checkbox"/> Program	<input type="checkbox"/> Parish	<input type="checkbox"/> Male	<input type="checkbox"/> Max Age Male	<input type="checkbox"/> Max Age Female	<input type="checkbox"/> Current Occupancy

Include Hyperlinks

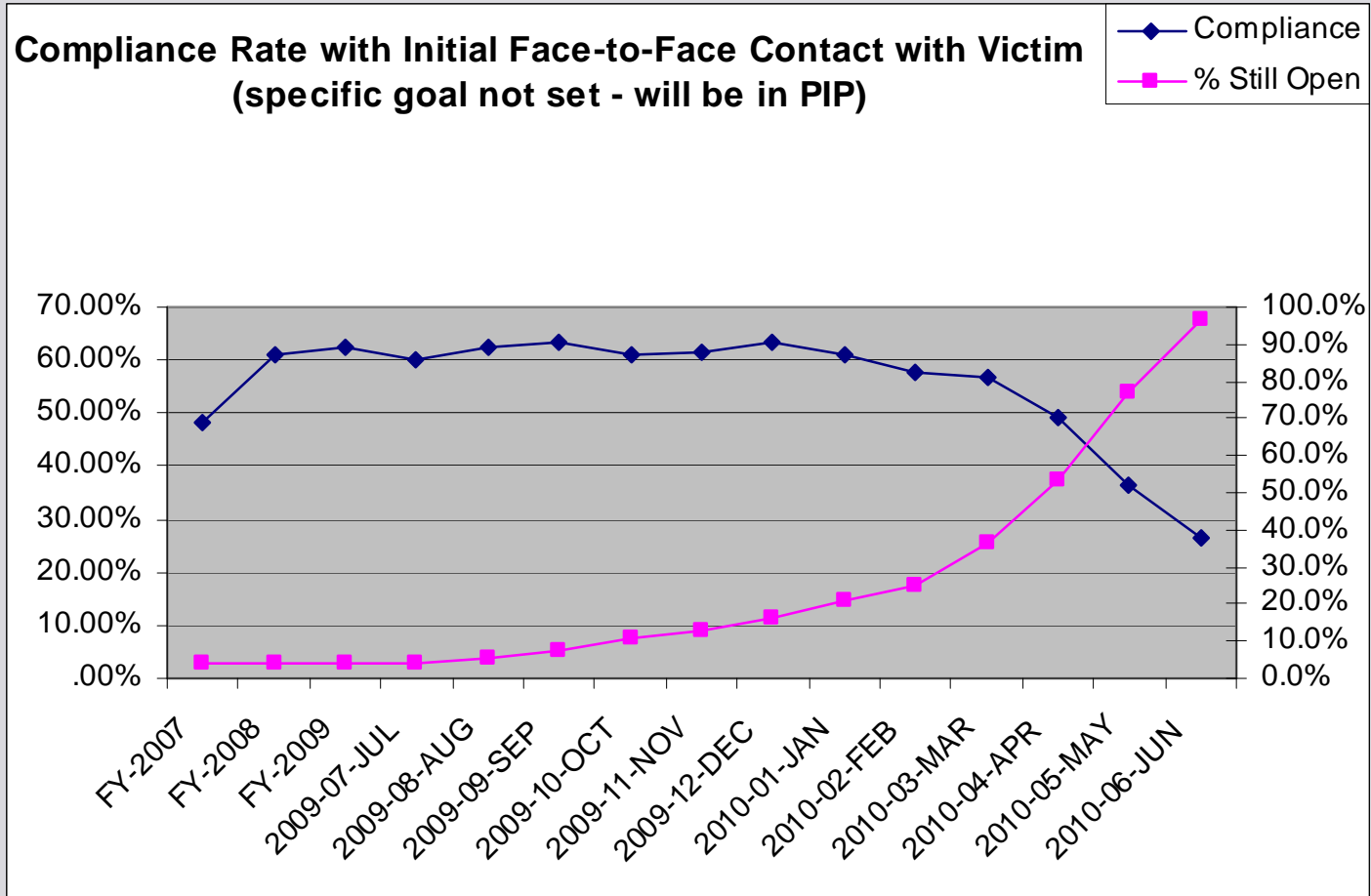


Foster Homes in Same Zip Code

Provider Number	Provider Name	Program	Address	City	State	Zip	Region	Parish	Male	Female	Min Age Male	Max Age Male	Min Age Female	Max Age Female	Race Served	Approved Capacity	Current Occupancy	Availability
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	YES	0	5	0	5	White	3	0	3
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	YES	0	5	0	5	White	2	1	1
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	NO	0	8	0	0	Black/African American	1	0	1
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	NO	4	10	0	0	Black/African American	2	0	2
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	YES	0	5	0	5	Black/African American	1	0	1
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	YES	0	10	0	10	White	2	0	2
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	YES	0	5	0	5	White	4	0	4
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	YES	NO	0	2	0	0	Black/African American	1	1	0
		Foster Home		BATON ROUGE	LA	70806	BATON ROUGE REGION	EAST BATON ROUGE	NO	YES	0	0	0	17	Black/African American	1	0	



Are children seen within response priority?





Why – 2 Hypotheses

- H1 - Higher caseloads result in lower compliance rates in seeing children on time.
- H2 – Immediate reports received on 4th or 5th day after a non-emergency report take priority and crowd out meeting the non-emergency response time.



Higher Caseload Influence

**VERY Simplified
Regression Model**

**# CPI Cases
per month**

1	57.18%
2	57.25%
3	57.33%
4	57.41%
5	57.48%
6	57.56%
7	57.64%
8	57.71%
9	57.79%
10	57.87%
11	57.95%
12	58.02%
13	58.10%
14	58.18%

**Percent of Children in
those cases seen
within Response
Priority**



Immediates Influence on Non Emergencies

	# CPI Cases	% Immediates	Non Emerg Response Priority %
<p>VERY Simplified Regression Model</p> <p>% CPI Cases that were Immediates</p> <p>Percent of Children in Non Emergency cases seen within Response Priority</p>	10	10%	50.90%
	10	20%	46.65%
	10	30%	42.40%
	10	40%	38.15%
	10	50%	33.90%
	10	60%	29.65%
	10	70%	25.40%
	10	80%	21.15%
	10	90%	16.90%



Current Work

- Program Improvement Plan (PIP)
 - LA is more focused on evaluation and research that will enhance our practice and successful PIP completion.
- Fraud Recovery – LA is more developed in using GIS technologies for program improvement and fraud recovery in economic support programs.



Future Directions

- Improve our use of GIS on both case and evaluation level.
- Better integrate GIS and BI technologies.
- Expand our research and analysis of data for practical program improvement.



The End

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