

# NLP LOGIX



## **Jacksonville Journey 2.0: Take a Step**

# The Team: NLP Logix

## Who we are

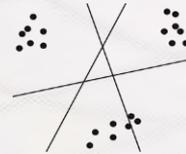
- Software Developers
- Statisticians
- Business Intelligence Engineers
- Data Visualization Experts

## What we do

- Machine Learning/Predictive Modeling
- Statistical Analysis
- Advanced Analytics and Data Visualization



Healthcare &  
Surveillance



Clustering, Churn  
and Acquisition



Contingent Workforce

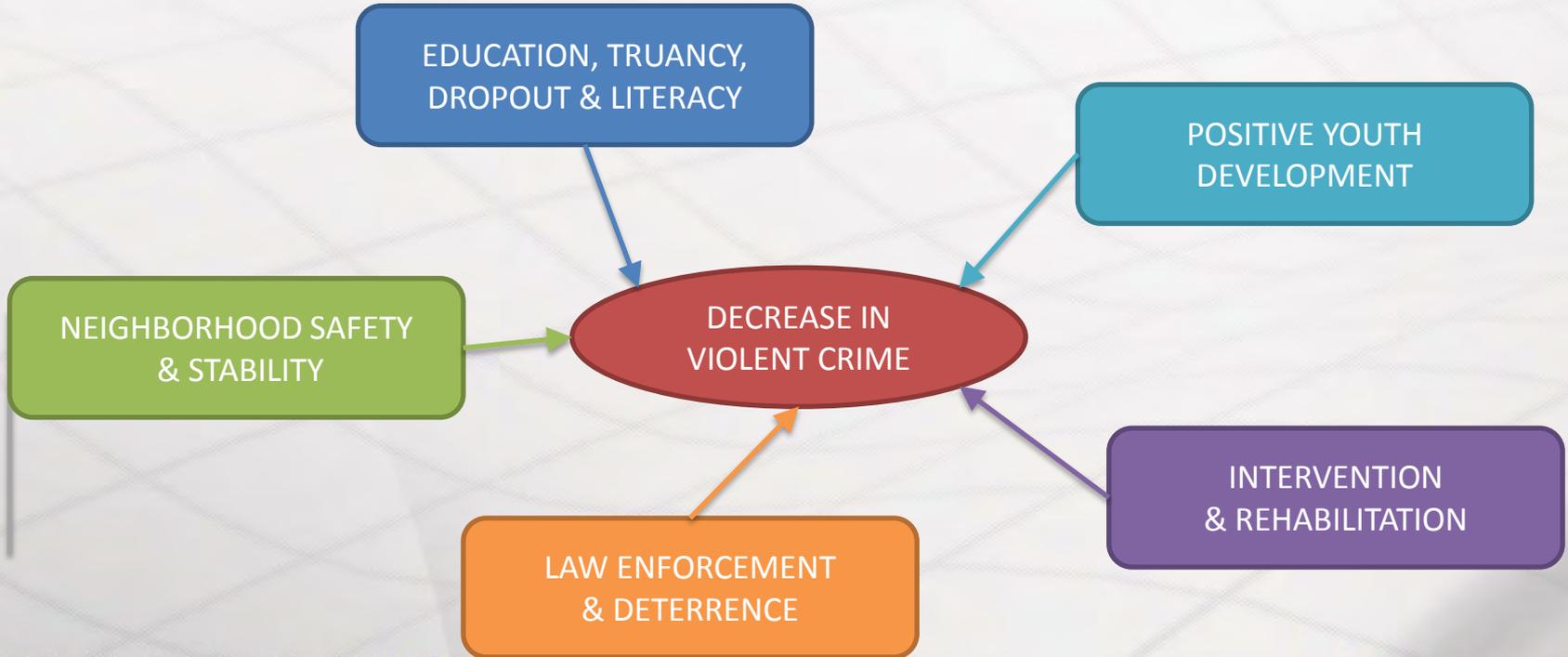


Financial Services



Trading & Forecasting

# The Jacksonville Journey



# Data and Results

NLP Logix, in partnership with the City of Jacksonville, will analyze data from

- JSO – Jacksonville Sherriff’s Office
- DCPS – Duval County Public Schools
- ELC – Early Learning Coalition
- DOC – Department of Corrections
- JCC – Jacksonville Children’s Commission
- DJJ – Department of Juvenile Justice
- JJOC – Jacksonville Journey Oversight Committee
- DOH – Department of Health
- ⋮
- and
- Census

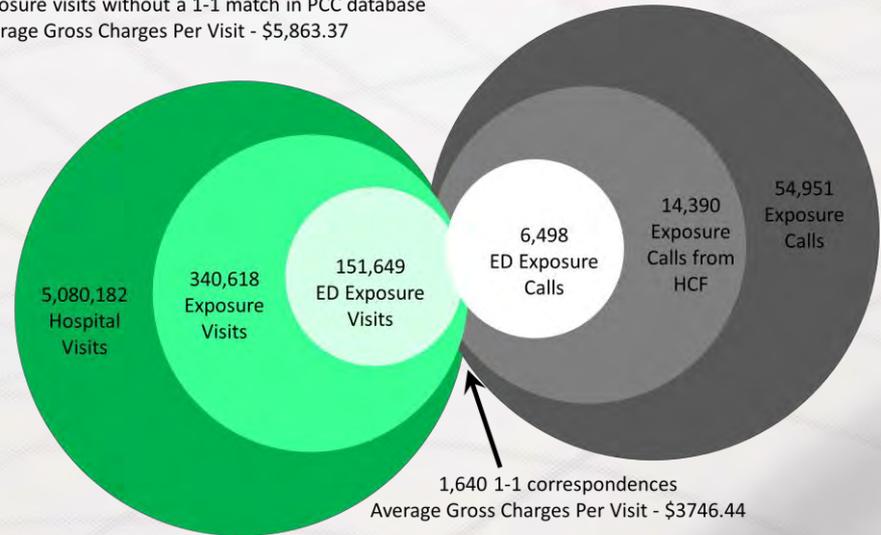
The goals of the analysis are to:

- Identify the areas, both geographic and demographic, most vulnerable to violent crime
- Identify the correlation between programs of the Jacksonville Journey, external intervention efforts, natural factors, and changes in violent crime rates
- Enable data driven decisions with respect to allocation of future funds.

# NLP Logix - Previous Actionable Findings

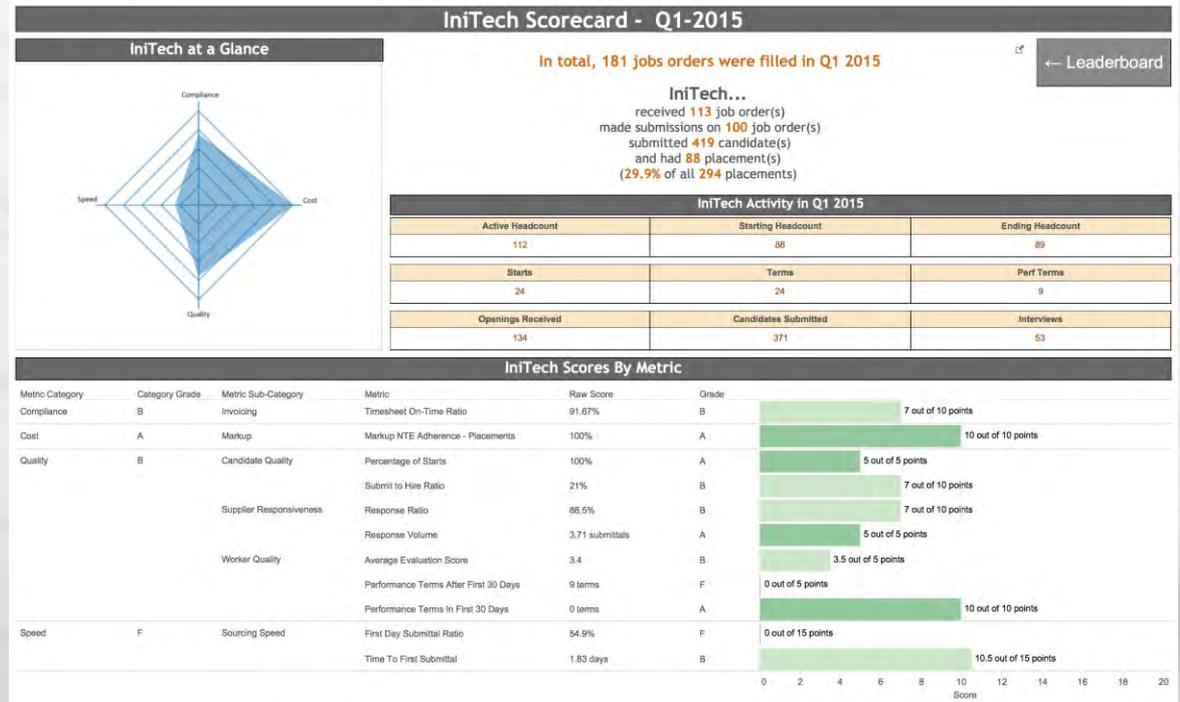
- Partnership with the Florida Poison Information Center Network
  - Connected poisoning and outreach data to inpatient and emergency room hospitalization data to match related cases
  - Analysis of education efficacy
  - Reduction in cost and length of stay for co-managed cases

150,009 Exposure visits without a 1-1 match in PCC database  
Average Gross Charges Per Visit - \$5,863.37



# NLP Logix - Previous Actionable Findings

- Working with a contingent workforce management group to identify:
  - Overall staffing efficiency across multiple metrics
  - Compliance to SLA
  - Areas for improvement



# Questions?