

First Sign® Early Intervention | A Modern Standard

Why Data Driven EIS Outperforms Traditional Early Warning Systems

Traditional early warning systems were built decades ago around basic summative statistics and rigid threshold counting. They flag too much, explain too little, and rarely connect to actual outcomes. The result is supervisor fatigue, missed risk, and disciplinary friction with officers. First Sign® is a fundamentally different approach: a predictive, peer aware platform built on University of Chicago research and validated in production at agencies across the country, including comparable large county jail environments.

<h2>85%</h2> <p>Average Model Precision Traditional EWS averages roughly 30%</p>	<h2>5%</h2> <p>Of Officers Flagged Identified as elevated risk by the model</p>	<h2>66%</h2> <p>Of Injuries Concentrated Among that small flagged cohort</p>	<h2>4+</h2> <p>Data Domains Analyzed Officer attributes, activity, IA, force</p>
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Traditional Early Warning vs. Data Driven Early Intervention

Traditional Early Warning Systems	First Sign® Data Driven EIS
<ul style="list-style-type: none"> ✗ Threshold counting only: alert when X happens Y times in Z days ✗ Summative statistics with no context for activity or assignment ✗ No peer comparison; high performers and high risk look alike ✗ Average precision around 30%, generating excessive false flags ✗ Outputs typically funnel toward discipline rather than coaching 	<ul style="list-style-type: none"> ✓ Predictive risk modeling validated by independent academic research ✓ Three layers of analysis: threshold, peer outlier, and predictive risk ✓ Peer group context based on assignment, role, and tenure ✓ Average 85% model precision across agencies in production ✓ Non punitive, supervisor led interventions tied to specific patterns

Three Layers of Analysis

Layer	What It Identifies	Example
Threshold Score	Officers who cross experience based cut points set by agency leadership	<i>Three or more force events within a single month</i>
Outlier Score	Officers whose activity differs meaningfully from peers in similar assignments	<i>Most complaints among officers in the same unit and shift</i>
Risk Score	Officers exhibiting patterns historically tied to severe negative outcomes	<i>Behavioral patterns associated with future serious investigations</i>

Why This Matters for Fulton County

The January 2025 DOJ consent decree requires defensible, evidence based identification of officer risk and documented intervention. A traditional early warning system cannot meet that standard. First Sign® provides:

- ▶ Defensible, research backed risk identification suited to federal monitor scrutiny
- ▶ Non punitive intervention paths that protect supervisor and officer trust
- ▶ Built in tracking and audit trails for monitor reporting requirements
- ▶ Integration with the systems FCSO already uses, including Tyler CAD, Axon RMS, IAPro, and Blue Team

First Sign® is informed by research from the National Police Early Intervention and Outcomes Research Consortium, chaired by the University of Chicago and supported by the Joyce Foundation.