

# First Sign® Early Intervention

The Only Research-Based, Data-Driven EIS in Public Safety



# Incomparable in Design. Profound in Impact.

What if your early warning system could predict 85% of all major adverse investigations before they even happen?

Now is the time to make a fundamental shift in how you manage police force accountability and support officer wellness. Welcome to **Benchmark Analytics®** . . . a Data Science company focused exclusively on public safety.

**First Sign® Early Intervention** is our advanced, research-based EIS platform — developed in partnership with the **University of Chicago** to deliver the most effective, accurate tool to identify off-track officer behavior based on your agency's size and structure. This solution goes well beyond standard early warning systems by establishing benchmarks that more accurately identify levels of at-risk behavior — alerting you to the real need of intervention and officer support.



THE UNIVERSITY OF  
**CHICAGO**



# The First Sign Difference — It's in the Numbers

Traditional EIS offerings employ threshold-based triggers to alert agencies to off-track officer behavior. However, these standard systems often flag officers not actually exhibiting at-risk behavior — resulting in inefficient use of resources, time and funds . . . not to mention poor officer morale.

Our groundbreaking **First Sign** solution draws upon decades of evidence-based research, robust information sources and sophisticated analytics to **identify officers truly in need of intervention**.

<b>5+</b> Data Sources	Informed by in-depth data points including officer attributes, arrest history, Use of Force, CAD/RMS — as well as data from the <b>Benchmark Management System®</b> .
<b>91</b> Model Variables on Average	Driven by complex, nuanced factors such as context of adverse incidents, sequence of events and patterns of behavior.
<b>85%</b> Model Precision	Provides greater accuracy than any other EIS . . . <b>First Sign</b> engages advanced research methodologies and predictive modeling proven to be 3X more precise than most systems.
<b>5%</b> At-Risk Average	Findings show no more than 5% of officers exhibit at-risk behavior truly in need of intervention . . . clearing officers incorrectly flagged by most systems.
<b>66%</b> Incident Rate	Perpetuated by 5% of at-risk officers who inflict most injuries on the job and are most likely to use disproportionate force.

# The First Sign Impact — a More Powerful Early Intervention Tool

When comparing **First Sign** to traditional EIS platforms using threshold-based triggers – in an example of **20 Officers Flagged** for off-track behavior – here's what research reveals (see Figure 1).

What this example shows is that traditional EIS platforms *incorrectly flag officers "at-risk" nearly five time more often* than our advanced, research-based **First Sign** solution — a profound difference that can make a massive impact in the way you manage accountability and officer support.

**First Sign** is your clear choice for a transformative EIS designed to:

- Differentiate those officers creating the greatest challenges for your department
- Boost morale and increase retention of police officers doing their jobs right
- Improve community relations and public trust in law enforcement
- Reduce resource needs, administrative time and the costs of EIS implementation

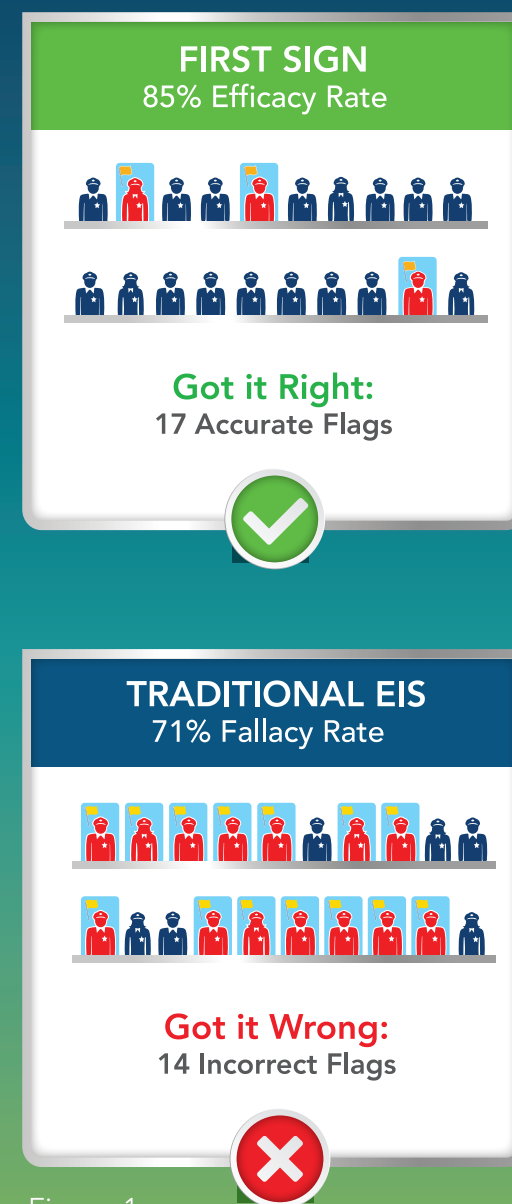


Figure 1



# First Sign — A Multi-Dimensional EIS

## Built on Six Key Pillars of Success

1

### Research Legacy

Grounded in our partnership with the **University of Chicago** – leveraging the world's largest officer performance database with over 20 million records – as well as longitudinal studies, predictive modeling and law enforcement analytics.

2

### Academic Credibility

Facilitated by the work of the *National Police Early Intervention and Outcomes Research Consortium* — along with the support of **The Joyce Foundation** and partnership with the **American Institutes for Research**.

3

### Scientific Legitimacy

Uniquely positioned with three provisional patents filed with the **United States Patent and Trademark Office** — safeguarding the integrity of our proprietary research, analytics and predictive models.

4

### Iterative Learning

Provided by ongoing, cumulative insights, trends and analytics of all agency partner data to ensure the **First Sign** platform evolves and advances technologically — getting smarter and more efficient over time.

5

### Compliance Ready

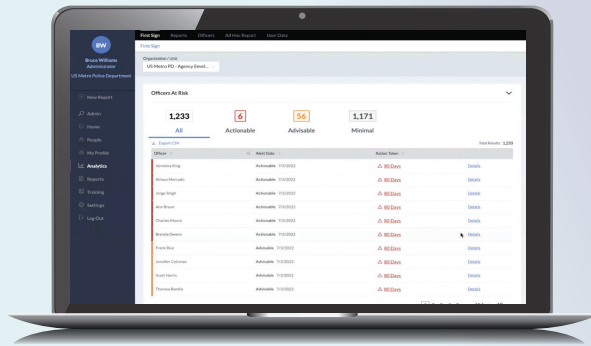
Configured to help police agencies comply with major government, state and municipal law enforcement organization directives, recommendations, standards and best practices — including **CALEA**, **IACP** and **DOJ**.

6

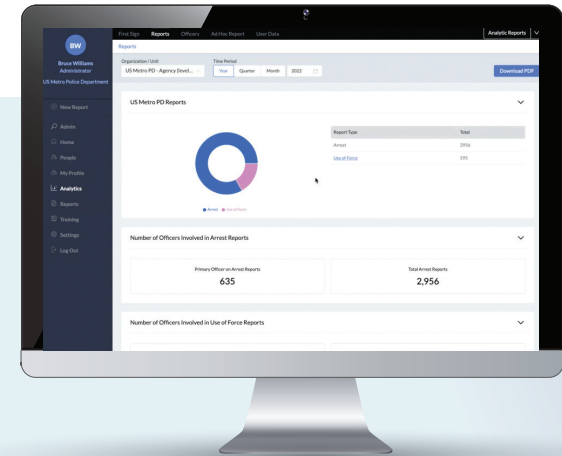
### Reciprocal Officer Support

Offered by **C.A.R.E.** – our **Case Action Response Engine®** platform – providing innovative, proactive police officer support courses of action proven to help officers who have fallen off track get back on track.

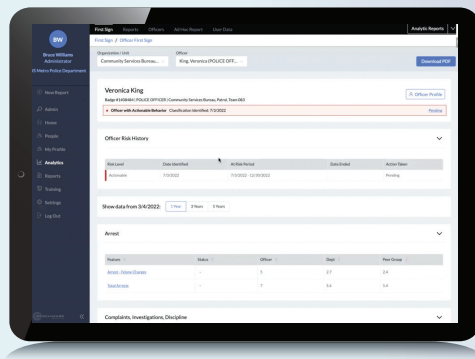
# The First Sign 24/7 Analytic Machine — What it Can Do for You



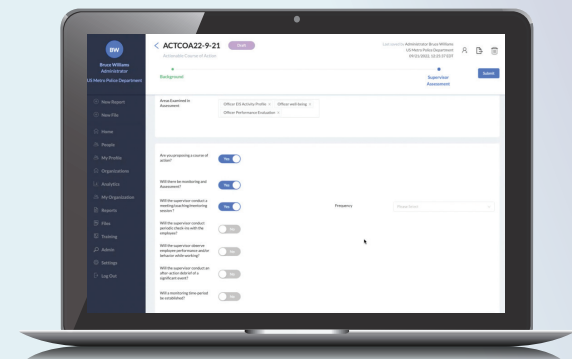
The **First Sign** opening dashboard displays a risk level overview of all officers in your agency — assessed and highlighted as Actionable, Advisable or Minimal risk.



Review reports of the total number of out-of-policy or adverse incidents for your entire agency with number of officers involved by various periods of time.



Pull-up history of an officer flagged for Actionable Risk Behavior — see key dates of intervention, types of at-risk behaviors, department/peer group comparisons and much more.



Access individual officer intervention screen to see areas of assessment and the Courses of Action recommended — such as mentoring, coaching, training, debriefing, etc.

Note: Four examples of **First Sign** at work.

# Why First Sign Works Better



Captures the data points most important to officer performance and behavior — **the only research-based, data-driven EIS that tracks over 20 event markers** shown to lead to truly at-risk, off-track behavior.



Takes into account total productivity relative to signs that an officer may be engaging in off-track, problematic behavior — resulting in significantly fewer false positives than any other EIS available in policing today.



Notifies you at the “first signs” of a real need to intervene, support and help an officer who has fallen off track get back on track — as well as providing proven courses of action to make it happen.



Advances police force accountability and well-being — transforming risk management in law enforcement by significantly reducing your exposure to escalating liability claims from increasing litigations.

“

Police leaders need to be more proactive in terms of having a holistic approach in dealing with management and early intervention.

”



**Charles H. Ramsey**  
Co-Chair of the Task Force  
on 21st Century Policing



Discover First Sign —  
an Advanced Research-Based, Data-Driven EIS

For more information:

Email request to [info@benchmarkanalytics.com](mailto:info@benchmarkanalytics.com)

To set up a meeting and system demo:

Call 888-40BENCH today — and visit us at  
[www.benchmarkanalytics.com](http://www.benchmarkanalytics.com)