



# Huntsville Police Department

## Data Driven Policing

12 April, 2022





# DATA DRIVEN POLICING

**Definition:** Data driven policing is the use of crime or crime related data to inform decision making and increase actionable intelligence for all HPD personnel who are directly engaged in deterring, reducing, and investigating crime.

**Purpose:**

1. Increase efficient use of limited resources
2. Increase effectiveness of resources used – apply where needed most
3. Increase community connections
4. Uncover embedded, actionable insights and trends for the police department, partner law enforcement agencies, the community, and the community's leaders and - modify strategies as appropriate.



# WHAT IS DATA?

## **Data:**

Is primarily historical case related information that is legally collected and stored in a variety of local, regional, and national databases resulting from the arrest of and / or incarceration of criminals.

ILEADS / SPILLMAN RMS (Local Records Management System)

FINDER (Regional Agency Records Management System)

TLO (National Records Management System)

*Data includes digital evidence.*



# WHERE WE ARE

Databases

Digital  
Evidence

Real Time  
Data

Analytical SW Tools

Crime Data Analyst  
Crime Intelligence Analysts  
Digital Forensic Analysts

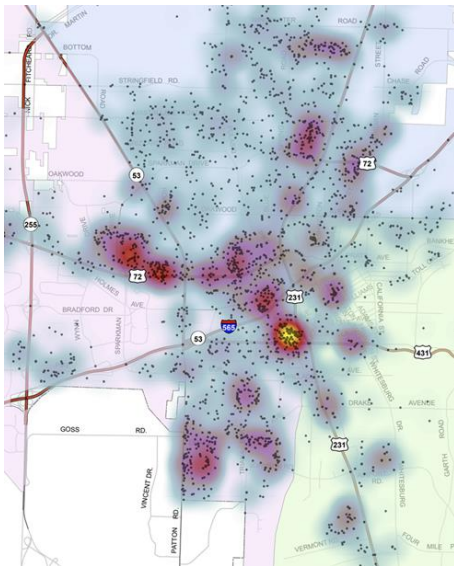
Forensic Software Tools

Increased  
Actionable  
Intelligence To  
Inform  
Decision  
Making And  
Deter, Reduce,  
And / Or  
Solve Crimes.

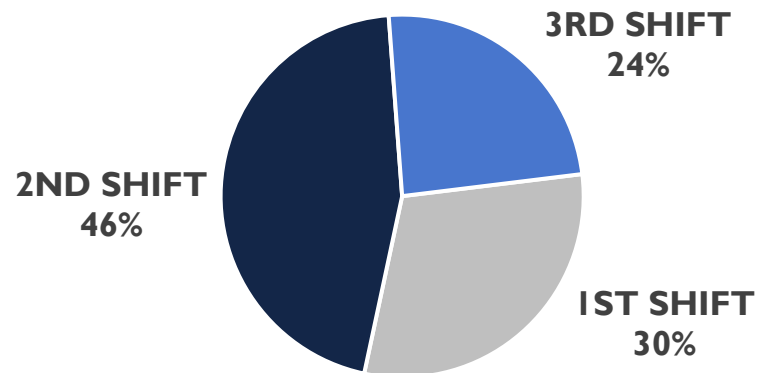


# WHERE WE ARE

**THE CRIME DATA ANALYST** is responsible for gathering, reviewing, and reporting crime statistics and general trends. The analyst produces hundreds of scheduled and unscheduled reports over the course of each year providing critical information to key leaders and intelligence analysts within HPD and for other key law enforcement partners.



## ROBBERIES BY SHIFT



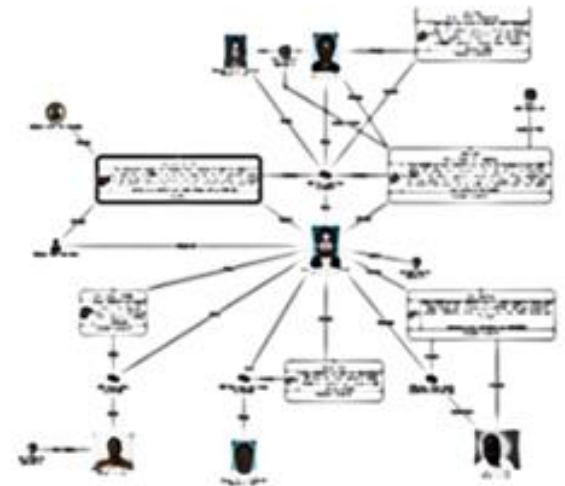
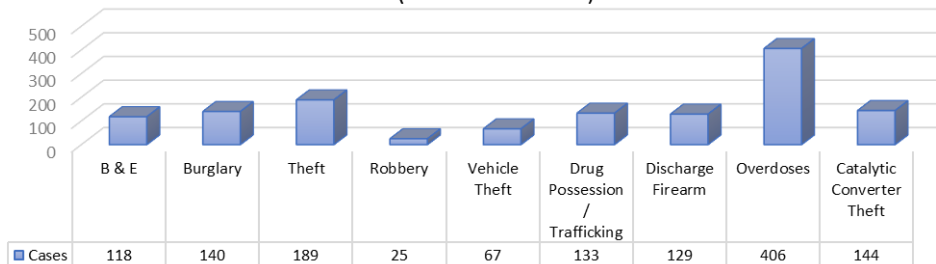




# WHERE WE ARE

**THE CRIME INTELLIGENCE ANALYSTS** are responsible for gathering and analyzing intelligence from various crime and crime related data reports in an effort to develop and evaluate potential **CRIMINAL** networks and trends. The analyst works with HPD, other law enforcement partners and the community to develop solutions and assist with solving cases and deterring crime. This new position was filled in June of 2021

2021  
Crime Data Trends / Network Analysis  
(Cases Reviewed)



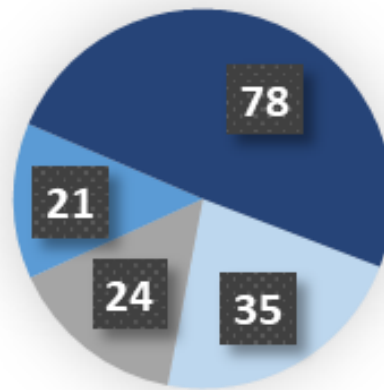


# WHERE WE ARE

## THE DIGITAL FORENSICS

**ANALYSTS** utilize both advanced software and hardware products to recover, secure, extract, and analyze digital evidence to produce intelligence for investigative purposes. It is rare to conduct an investigation that is not associated with a digital footprint.

## 2021 Cell Phone Examinations



- Homicide
- Drug Overdose Death
- Child Pornography / Solicitation
- Robbery, Burglary, Traffic Homicide, Rape and Drug Overdose



# RESULTS

## Overdoses

Networked data for nearly 600 cases in 2021 resulting in key drug network leads

## Catalytic Converters

Analyzing and charting 144 catalytic converter thefts for investigators aided in building a prosecutable case for grand larceny.

## 100% Clearance Rate on Murders

**CITY OF HUNTSVILLE  
POPULATION/OFFENSE TIMELINE**







# WHERE WE ARE GOING



**REACTIVE**

**REAL TIME**

**PREDICTIVE**

## **POST CRIME**

Collect,  
Compile,  
Analyze,  
Disseminate

**2017**

**Crime Data  
Analyst**

GIS / Database Tools

## **DURING CRIME**

Collect,  
Compile,  
Analyze,  
Disseminate

**2021**

**Crime Intelligence  
Analyst**

Network Analysis Toolkits

## **PRE - CRIME**

Compile,  
Analyze,  
Disseminate

**2022**

**Crime Intelligence  
Analyst II**

Predictive Analysis Toolkits



# QUESTIONS





## **DISCLAIMER NOTICE:**

The identification of a possible match candidate is not considered a positive identification of a subject and shall be treated as an investigative lead only. Such identification, on its own, does not establish probable cause to make an arrest or obtain an arrest or search warrant, absent the development of corroborative information through additional investigation by the assigned investigator. A determination of a possible match candidate is not the equivalent of probable cause. The “Results Report” and a further investigation must be conducted to determine whether the possible match candidate is connected to or involved in the incident under investigation in order to establish probable cause.