

A large, golden seal of Harris County, Texas, is positioned in the upper left corner of the slide. The seal features a central five-pointed star with a smaller star on each point. The words "HARRIS COUNTY" are arched across the top, and "THE STATE OF TEXAS" is arched across the bottom. The seal is partially obscured by a diagonal blue line that runs from the top left towards the bottom right.

# Implementing Crime Reduction Strategies: *The Analyst Role*

Harris County Sheriff's Office  
Crime Analysis & Intelligence Division



# Intro

- BS degree in Criminal Justice
- Started as a clerk in the Traffic Enforcement Division – Hit and Run section in 2012
- Became an Analyst in 2017
- Transferred to Crime Analysis & Intelligence Division (CAID) in August 2020 when it was formed
- TCOLE Certified Instructor
- Main Duties
  - Compiling executive-level reports
  - Creating GIS maps using ArcGIS Pro
  - Developing Power BI dashboards
  - Generating statistical reports using SQL
  - Providing support to investigators
  - Train new Analysts and Interns
  - Handle various ad-hoc requests
  - Maintain the Divisions SharePoint





# About the Harris County Sheriff's Office

***The mission of the Harris County Sheriff's Office is "To enhance the safety and protect the trust of the citizens of Harris County by enforcing the law with integrity and professionalism."***

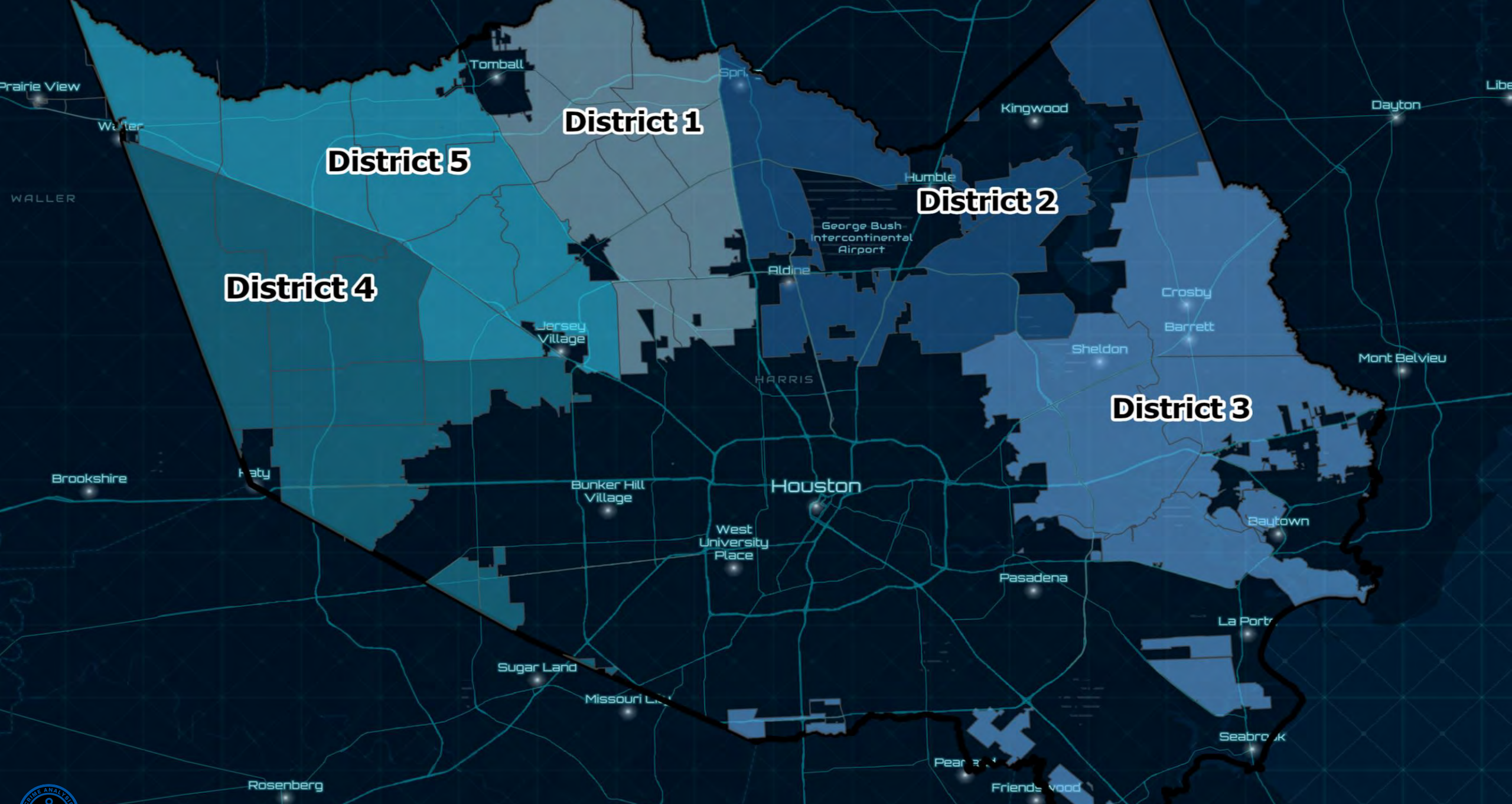
## Harris County, TX

- Harris County, TX has a population of over 4 million people and encompasses 1,788 square miles.
- There are numerous law enforcement agencies operating in the county. In addition to the Harris County Sheriff's Office there is also the Harris County Constable Office, the Houston Police Department, METRO Police Department, other municipal police departments, and school district police departments.

## Harris County Sheriff's Office

- The HCSO has jurisdiction in Unincorporated Harris County, TX
- The jurisdiction of the Harris County Sheriff's Office often overlaps with several other law enforcement agencies, among them the Texas Highway Patrol, the eight Harris County Constable Precincts, and several municipal police agencies including the city of Houston Police Department.
- The HCSO has nearly 5,100 employees and 200 volunteer reservists dedicated to ensuring the safety of more than 4 million residents who call Harris County home.
- The HCSO also operates the county jails that currently houses approximately 10,000 inmates
- The HCSO jurisdiction is divided into 5 districts with each district being segmented into smaller areas called beats





# Crime Analysis and Intelligence Division



CAID was formed in August 2020 in order to align with the Sheriff's goal of becoming a data-driven agency. The National Public Safety Partnership (PSP), a Department of Justice entity, assisted with the construction of our division.



## Tactical

Tactical analysis focuses on providing immediate support to law enforcement operations and investigations. It involves analyzing recent criminal incidents, patterns, and trends to assist in ongoing investigations, identify suspects, and develop strategies for apprehension. Tactical analysis helps law enforcement agencies respond swiftly to emerging threats and prioritize resources where they are most needed.



## Strategic

Strategic analysis takes a broader view and examines long-term trends and patterns in criminal activity. It involves analyzing historical crime data over extended periods to identify persistent issues, crime hotspots, and crime trends. Strategic analysis helps law enforcement agencies develop long-term crime reduction strategies, allocate resources effectively, and implement preventive measures to address underlying causes of crime.



## Administrative

Administrative analysis focuses on evaluating the efficiency, effectiveness, and overall performance of law enforcement agencies and their programs, policies, and procedures. By conducting thorough administrative analysis, law enforcement agencies can identify areas for improvement, implement evidence-based reforms, and ensure that resources are utilized efficiently to fulfill their mission of protecting and serving the community.



## Intelligence

Intelligence analysis involves gathering, analyzing, and disseminating intelligence related to criminal activity, threats, and suspects. It involves collecting and analyzing information from various sources, including law enforcement databases, informants, surveillance, and open-source intelligence.



# Rise in Crime

- Violent Crime saw significant increases
- Family Violence increased during COVID
- Traffic Fatalities were at an all time high
- Homicides increased
- Weapon related incidents rose
- Catalytic converter thefts tripled
- New hot spots emerged



# Crime Reduction Strategies

Crime analysts play a crucial role in developing and implementing crime reduction strategies. We use data and analytical tools to identify patterns, trends, and risk factors related to criminal activities.

Some of the strategies:

- Data-Driven Approaches to Crime & Traffic Safety (DDACTS)
- Generating Bulletins
- Power Bi Dashboards
- Threshold Analysis
- Stationary Patrol
- Data-Driven Initiatives and Operations



# Data-Driven Approaches to Crime and Traffic Safety Model (DDACTS)

## What is DDACTS Policing Model?

- According to the National Highway Traffic Safety Administration, Data-Driven Approaches to Crime and Traffic Safety (DDACTS) is a law enforcement operational model. It integrates location-based crime and traffic crash data to determine the most effective methods for deploying law enforcement and other resources. Drawing on the deterrent value of highly visible traffic enforcement and the knowledge that crimes often involve motor vehicles, the goal of DDACTS is to reduce crime, crashes, and traffic violations across the country. Using geo-mapping to identify “hot spots”—areas of high incidence of crimes and crashes—DDACTS uses targeted traffic enforcement strategies that play two roles in fighting crime and reducing crashes and traffic violations.

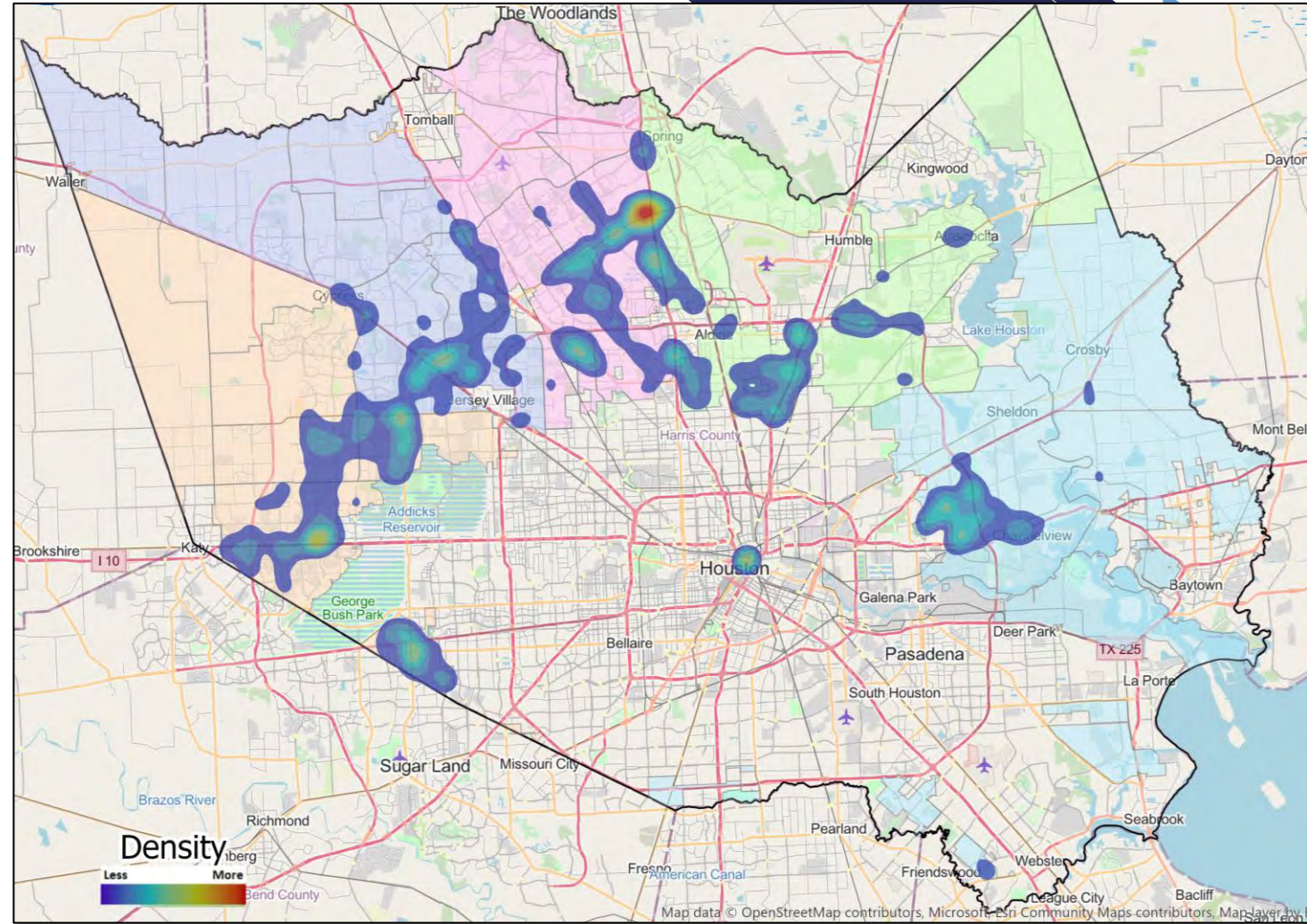




# 7 Guiding Principles

## Outcomes

- Goals and objectives that emerge during data analysis and hot spot identification are developed into outcome measures. These measures help to assess effectiveness relating to reductions in crashes, crime, traffic safety violations, and other social harm. The DDACTS model supports success with outcomes (reduced fatalities and crime, etc.) versus a focus on outputs (citations, arrests, etc.) in determining the effectiveness and efficiency of law enforcement operations.



# 7 Guiding Principles

## Data Collection

- Accurate, timely and complete crash, crime, calls for service and activity-related data, including location, incident type, time of day, and day of week are the building blocks of the DDACTS model. The primary data sources are citizen calls for service, crime incident reports, crash reports, and police activity. There must be policies and procedures in place that prioritize report quality.



# 7 Guiding Principles



## Data Analysis

- The creation of actionable analysis products, including maps that overlay crash, crime, and activity-related data along with other related analyses, allows agencies to identify problem locations or hot spots. Additional analysis, including various proven evaluation techniques, can help to distinguish causation factors for each type of incident, delineate spatial and temporal factors, and consider environmental influences on crashes, crimes, and other disorders or social harm.

ArcGIS® Pro



# 7 Guiding Principles

## Partners and Stakeholders Participation

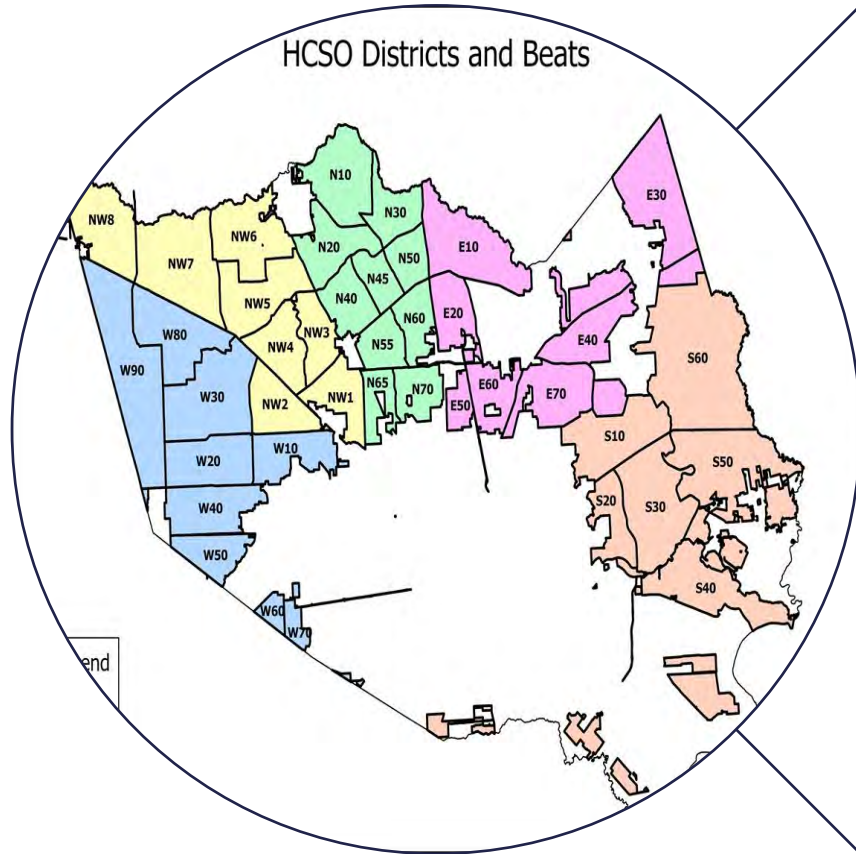
- Collaboration among law enforcement agencies and local stakeholders is essential for building trust and legitimacy. The goals are to establish active and continual communication with internal and external partners and stakeholders and determine how each can assist the police agency in collaborating and improving the overall quality of life in problematic areas, especially in seeking non-enforcement-related solutions.



# 7 Guiding Principles

## Strategic Operations

- Through analysis, agencies identify high activity hot spots, likely to include incidents of crashes, crimes, and other social harm. These hot spots can then be proactively engaged with strategic, highly visible traffic and other contact efforts at the most appropriate places and times.



# 7 Guiding Principles



## Information Sharing and Outreach

- Large and small agencies everywhere have dramatically improved internal and external information-sharing through technology and social media. Through strategic information sharing and increased police-citizen collaboration, these efforts can further support increased officer awareness, expanded public safety, and enhanced community satisfaction.

# 7 Guiding Principles



## Monitoring, Evaluation, and Adjustments

- Data collection and analysis procedures allow supervisors to monitor, evaluate and adjust strategic operations and account for enforcement activity. These procedures also provide an opportunity to regularly assess crash and crime reduction, cost savings, and other outcome measures that define success. The DDACTS model is place-based and thus needs to keep pace with ever-changing data. Regular staff meetings or CompStat style management processes can help executives evaluate the effectiveness, or lack thereof, regarding officers' efforts in the hotspots. This method will inherently invite accountability.





<https://abc13.com/harris-county-safe-crime-rates-violent-crimes-lina-hidalgo/11284710/>





# #HarrisCountySafe Overtime Initiative

This proposal sets forth the Harris County Sheriff's Office (HCSO) strategic plan for increasing public safety across unincorporated Harris County by reducing violent crime in our most violence-prone areas. The criminogenic activity in "micro-zones" will be identified through robust data analysis.

Nationwide, violent crime is on the rise and Harris County is no exception.

- ✓ Violent Crime offenses\* overall have increased **17.67%** from 2019 to 2021.

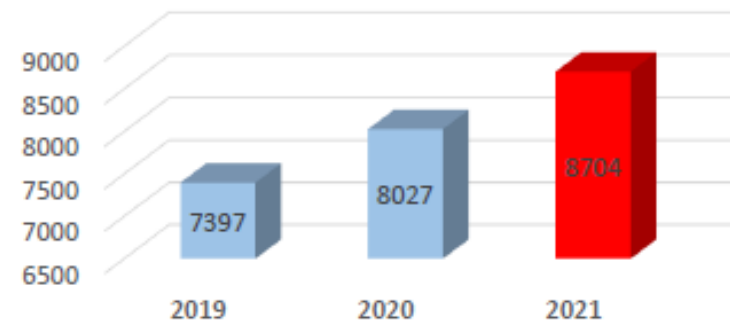
Two of the most serious violent crimes offenses occurring in Harris County are Homicides and Aggravated Assault with a Deadly Weapon.

- ✓ Homicides have increased **32.7%** from 2019 to 2021.
- ✓ Aggravated Assault w/Deadly Weapon offenses have increased **31%** from 2019 to 2021.

However, as in most urban areas, violent crime is geographically concentrated in a relatively small number of areas within unincorporated Harris County.

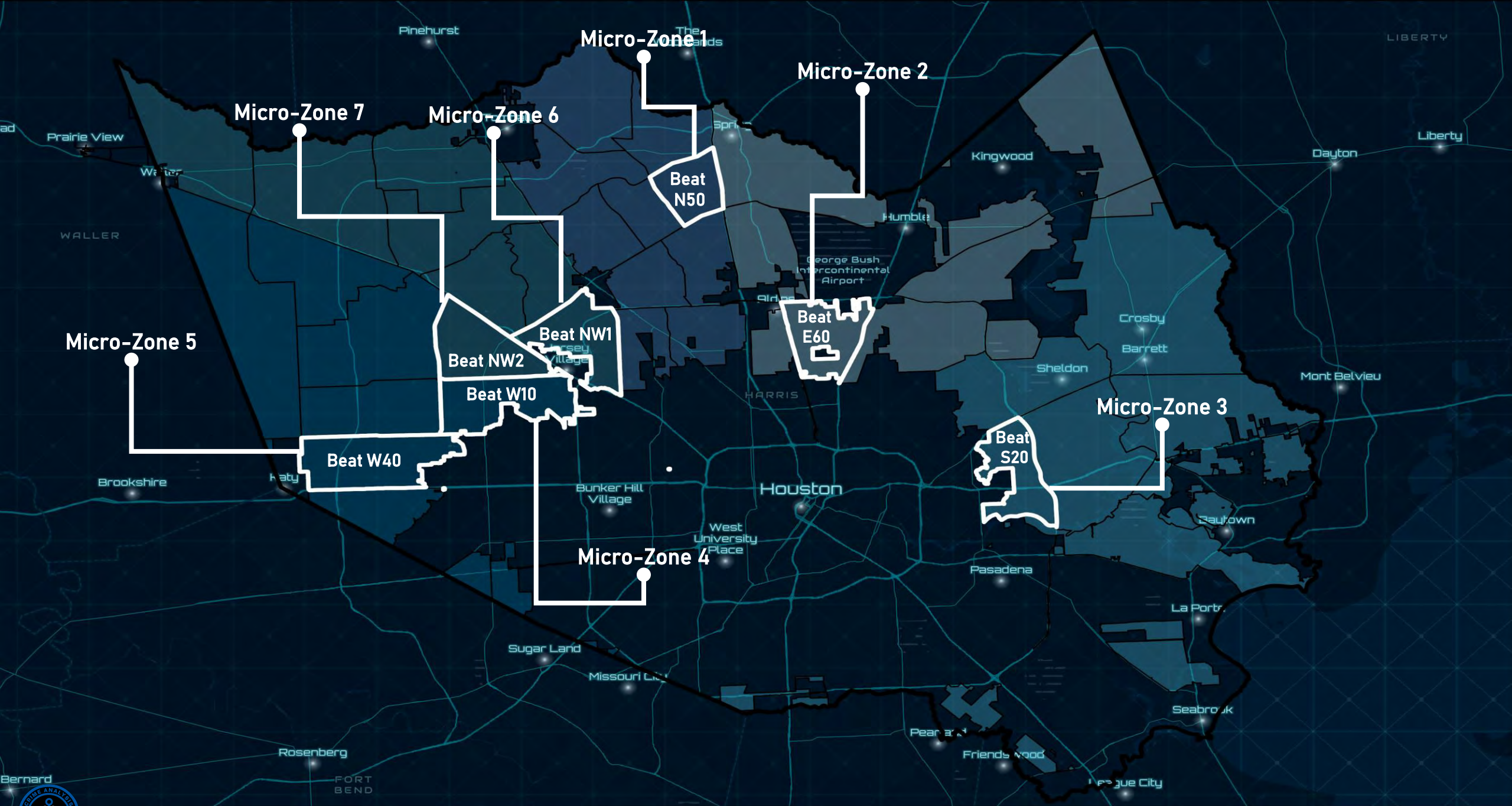
This public safety plan begins by substantially increasing police visibility at micro-zone locations where violent crime is concentrated and prioritizing street-level deterrence and arrest of repeat offenders in these areas.

Violent Crime\* Trend  
January – June



\*Violent Crime offenses include Aggravated Assault Causes Serious Bodily Injury, Aggravated Assault Family/House Member, Aggravated Assault with Deadly Weapon, Aggravated Robbery, Aggravated Assault, Assault, Assault Family/House Member, Deadly Conduct, Manslaughter, Murder, Robbery.





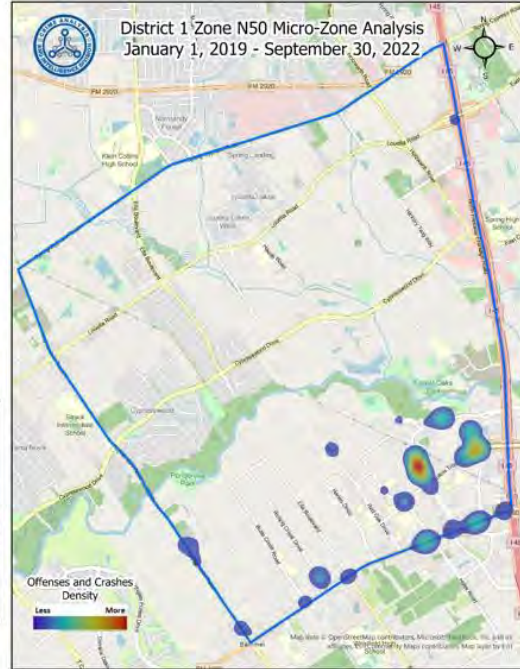
# DDACTS Micro-zone Report

## Activity Summary

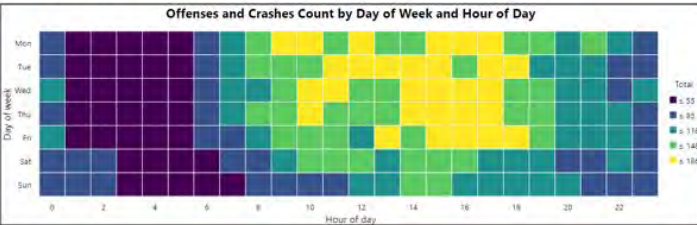
### Summary

Activity in the micro-zone appears to fluctuate compared to 2021.

Category	Current Month	Last Month	1 Year	2 Years
	Sep-2022	Aug-2022	Sep-2021	Sep-2020
RMS Offenses	342	305	401	320
Crashes	31	50	54	35
Calls for Service	3379	3374	3643	3259
Arrests	60	63	58	48
Traffic Stops	572	630	630	136
Traffic Initiatives	8	1	30	57
Citations	85	50	162	43
Warnings	199	288	383	87



**Calendar Heat Table 2019 – August 2022:** An examination of the calendar heat table revealed peak days and times for both offenses and crashes to be Mondays 9AM – 11AM, 12PM – 1PM and 3PM – 6PM. When analyzed individually, peak days and times for crashes are Thursdays 6AM – 7AM and 2PM – 7PM. Peak days and times for offenses are Mondays from 9AM – 11AM and 12PM – 1PM.



## Is it Working?

Year-to-date comparisons 2022

### Reductions

- **2% Agg Assault Causes Serious Bodily Inj** (43 in 2022, 44 in 2021 and 26 in 2020)
- **12% Agg Assault Family/House Member** (44 in 2022, 50 in 2021 and 48 in 2020)
- **100% Agg Sexual Assault** (0 in 2022, 1 in 2021 and 0 in 2020)
- **30% Assault** (82 in 2022, 117 in 2021 and 149 in 2020)
- **5% Assault Family House/Member** (227 in 2022, 240 in 2021 and 278 in 2020)
- **8% Burglary Habitation/Building** (156 in 2022, 170 in 2021 and 116 in 2020)
- **31% Citations** (640 in 2022, 927 in 2021 and 399 in 2020)
- **10% Criminal Mischief** (278 in 2022, 310 in 2021 and 300 in 2020)
- **100% Kidnapping** (0 in 2022, 3 in 2021 and 1 in 2020)
- **20% Murder** (4 in 2022, 5 in 2021 and 3 in 2020)
- **41% Robbery** (10 in 2022, 17 in 2021 and 24 in 2020)

### Increases

- + **18% Agg Robbery** (45 in 2022, 38 in 2021 and 47 in 2020)
- + **5% Aggravated Assault** (69 in 2022, 66 in 2021 and 33 in 2020)
- + **7% Arrests** (481 in 2022, 451 in 2021 and 368 in 2020)
- + **31% Burglary of Vehicle** (267 in 2022, 204 in 2021 and 221 in 2020)
- + **1% Calls for Service** (31,787 in 2022, 31,466 in 2021 and 28,940 in 2020)
- + **167% Deadly Conduct** (8 in 2022, 3 in 2021 and 11 in 2020)
- + **100% Death Due to Traffic** (2 in 2022, 1 in 2021 and 2 in 2020)
- + **22% Major Accident** (94 in 2022, 77 in 2021 and 84 in 2020)
- + **17% Minor Accident** (351 in 2022, 299 in 2021 and 282 in 2020)
- + **18% Sexual Assault** (13 in 2022, 11 in 2021 and 13 in 2020)
- + **24% Stolen Vehicle** (126 in 2022, 102 in 2021 and 132 in 2020)
- + **38% Traffic Enforcement** (6,530 in 2022, 4,719 in 2021 and 1,317 in 2020)
- + **14% Warning Citations** (2,892 in 2022, 2,546 in 2021 and 764 in 2020)

RMS Offenses and Crashes April 2021 - September 2022



# Analysis on Crime

1. [REDACTED]

## Apts.) – 19 incidents

- Assault Family/House Member – 1
- Burglary of Vehicle – 1
- Criminal Mischief – 7
- Harassment – 2
- Stolen Vehicle – 2
- Suspicious Activity – 1
- Terroristic Threat Family – 1
- Theft from Motor Vehicle – 1
- **Peak days:** Thursdays and Saturdays
- **Peak times:** 11AM – 1PM

2. [REDACTED]

## Palms Apts.) – 18 incidents

- Agg Assault Causes Serious Bodily Inj – 1
- Assault Family/House Member – 2
- Burglary Habitation/Building – 1
- Criminal Mischief – 2
- Evading Arrest Detention – 1
- Suspicious Activity – 1
- **Peak days:** Mondays, Wednesdays and Fridays
- **Peak times:** 2PM – 3PM

### *Commonalities*

- All four locations are apartment complexes
- Heavy foot traffic in the areas

### *Recommendation(s)*

- **Patrol:** Deputies should proactively patrol inside the two top locations on the peak days and times looking for suspicious activity.
- **CPOP:** Find a local charity or plan an initiative during one of these peak times in coordination with apartment management. A better sense of community shows a decrease in crime.

3. [REDACTED]

## [REDACTED] – 18 incidents

- Agg Assault Causes Serious Bodily Inj – 2
- Aggravated Assault – 2
- Assault – 2
- Suspicious Activity – 1
- Theft >=\$2,500<\$30K – 1
- Theft from Motor Vehicle – 1
- **Peak days:** Thursdays
- **Peak times:** 2PM – 4PM

4. [REDACTED]

## Apts.) – 15 incidents

- Assault Family/House Member – 1
- Burglary of Vehicle – 1
- Criminal Mischief – 2
- Sexual Assault Child-Fondling – 1
- Stolen Vehicle – 1
- Suspicious Activity – 1
- Terroristic Threat – 1
- **Peak days:** Thursdays
- **Peak times:** 2PM – 6PM



# Analysis on Crashes

## Top Locations

1. [REDACTED] - 7

### Contributing Factors:

- Changed Lane when Unsafe
- Distraction in Vehicle
- Driver Inattention
- Unsafe Speed
- Failed to Drive in Single Lane

2. [REDACTED] 6

### Contributing Factors:

- Changed Lane when Unsafe
- Disregard Stop and Go Signal
- Improper Start from Parked Position
- Failed to Control Speed
- Failed to Drive in Single Lane

3. [REDACTED] - 5

### Contributing Factors:

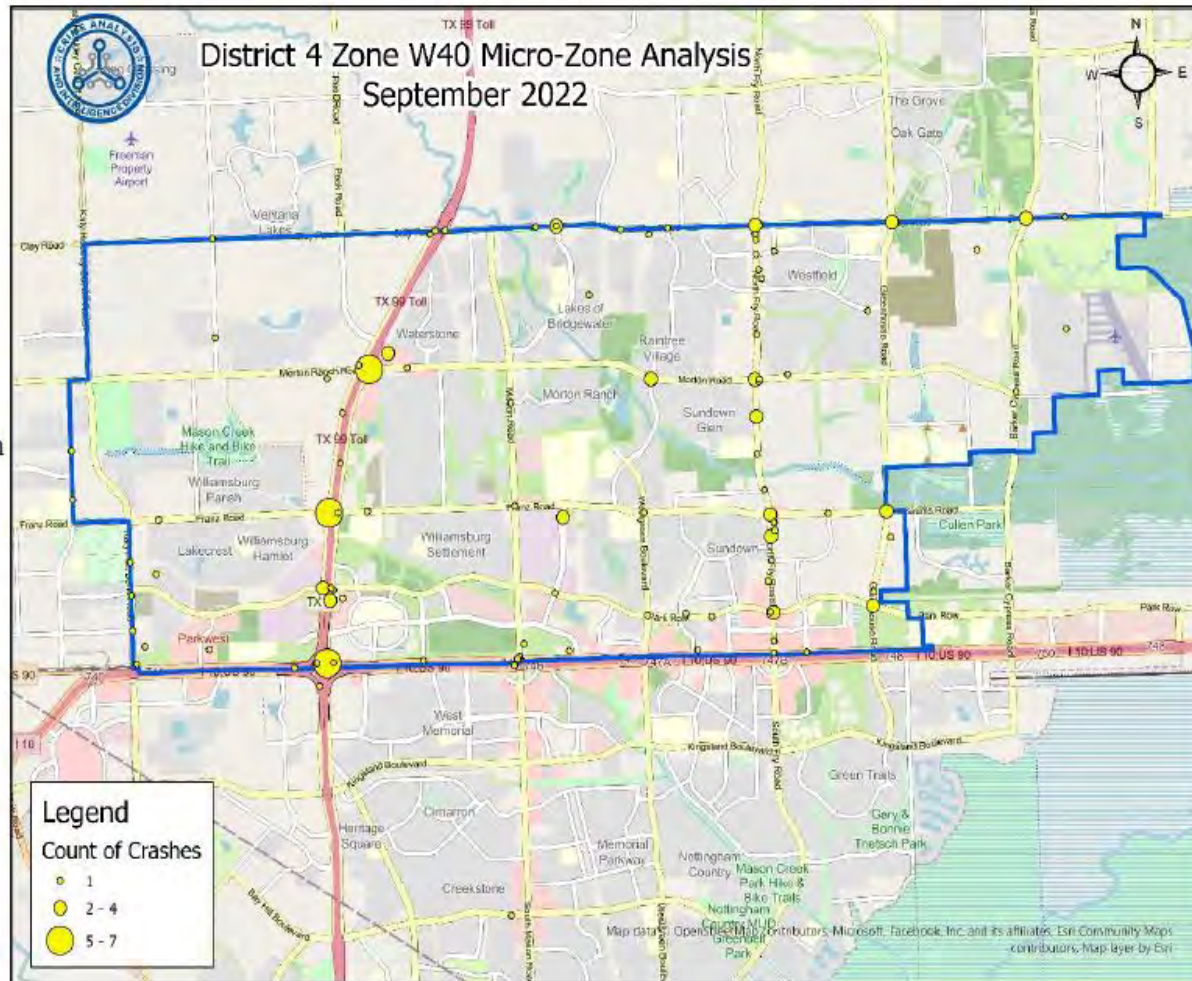
- Failed to Yield ROW – Open Intersection
- Failed to Yield ROW – Private Drive
- Failed to Control Speed
- Changed Lane when Unsafe

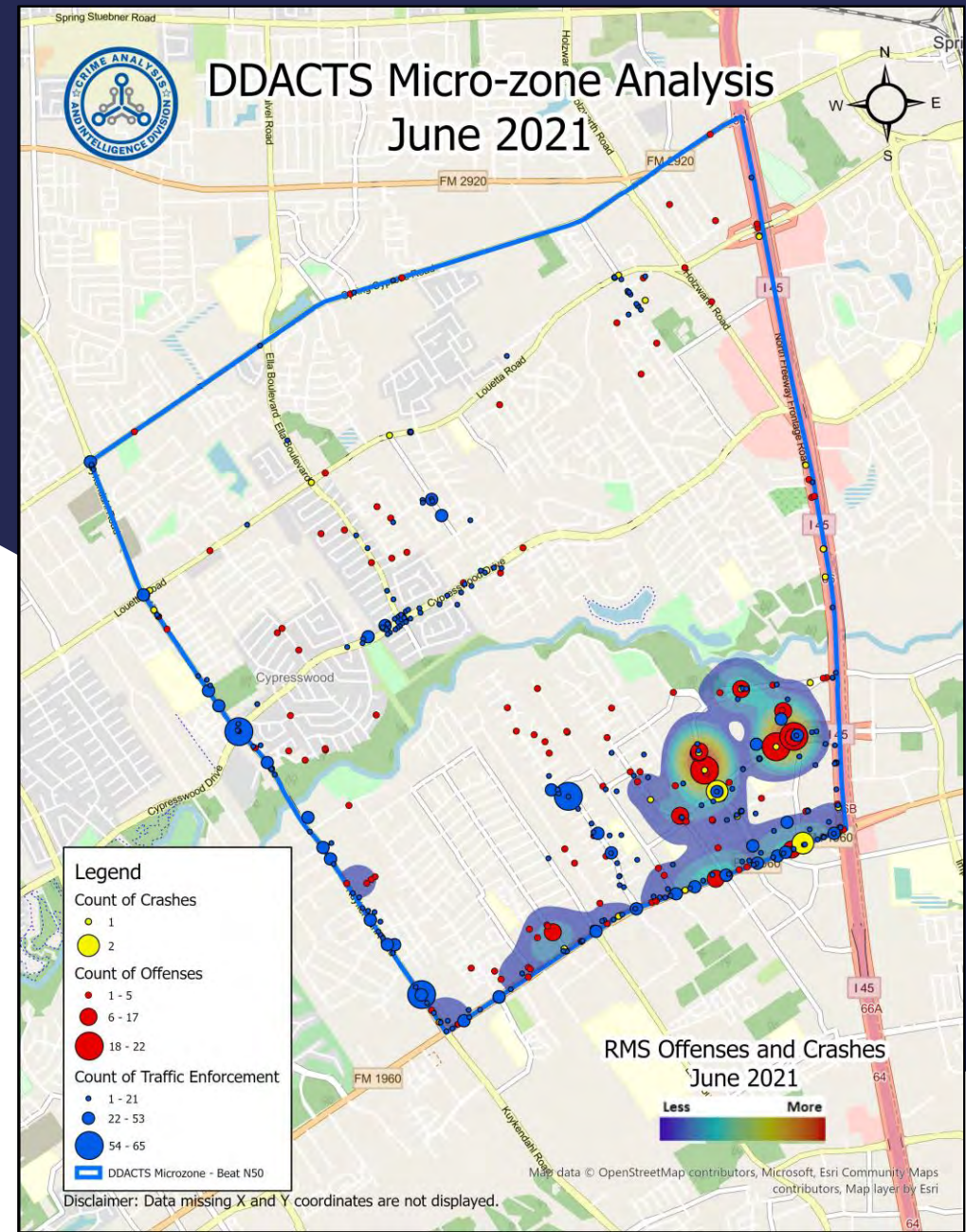
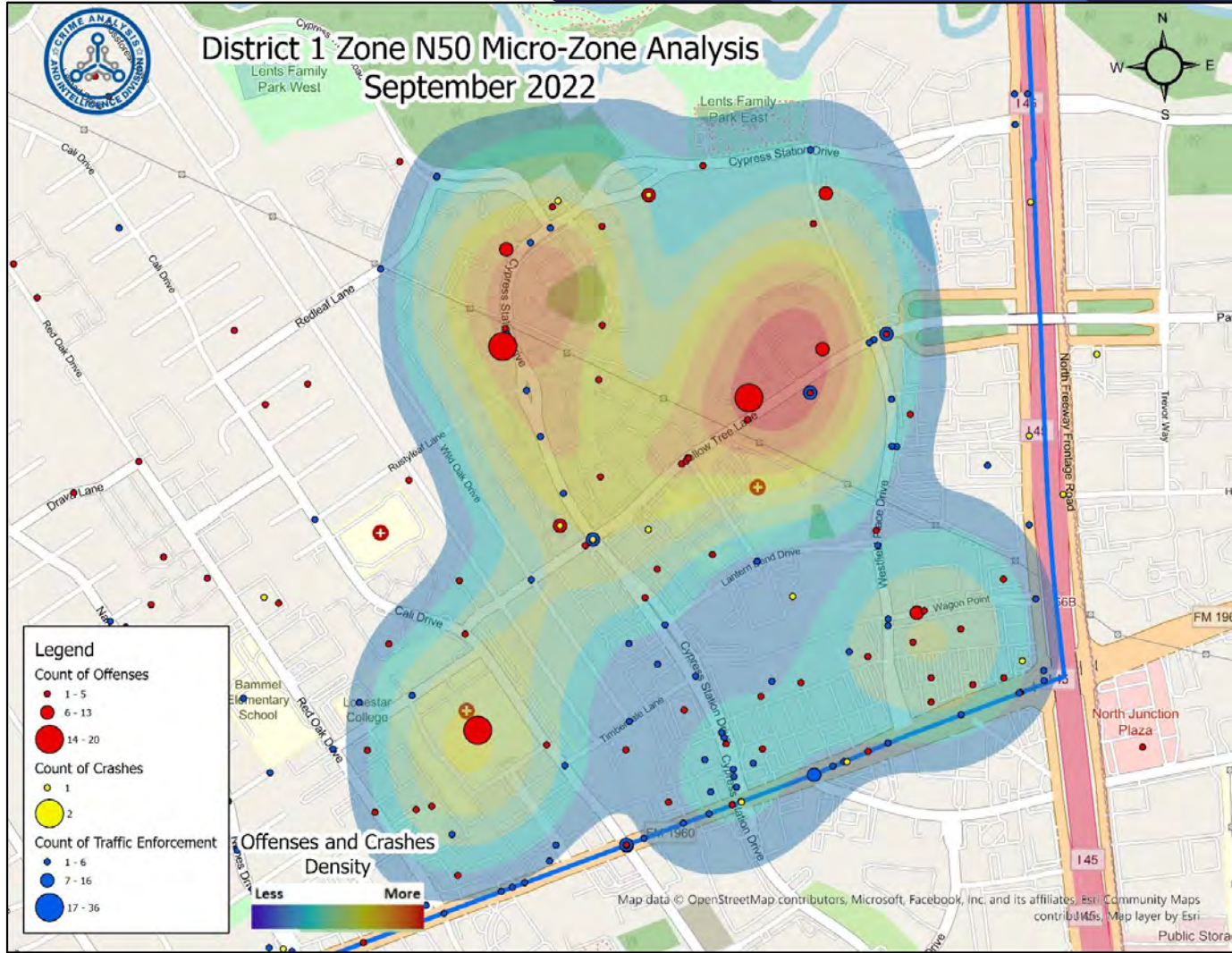
## Temporal Analysis

- **Peak days:** Fridays and Saturdays
- **Peak times:** 8AM – 9AM, 11AM – 1PM and 5PM – 7PM

## Recommendation(s)

- **Traffic Enforcement:** Patrol the areas during peak days and times





# Missing Data Auditing

## Missing Data

The purpose of this section is to provide an overview of data missing latitude and longitude coordinates within the micro-zone. A spreadsheet with the missing data can be provided upon request.

### Records Missing Latitude and Longitude Coordinates in the zone

	Sep-2022		2022 YTD		2021 YTD		2020 YTD	
	Mapped Data	Missing Data	Mapped Data	Missing Data	Mapped Data	Missing Data	Mapped Data	Missing Data
<b>Offenses</b>	342	0	3308	59	3201	4	2959	6
<b>Crashes</b>	31	0	437	10	377	0	368	0
<b>Calls for Service</b>	3379	0	31784	3	31458	8	28589	351
<b>Arrests</b>	60	0	447	34	390	61	318	50
<b>Traffic Stops</b>	572	0	6490	2	4457	0	790	207
<b>Traffic Initiatives</b>	8	0	38	0	262	0	320	0
<b>Citations</b>	85	0	640	0	927	0	399	0
<b>Warnings</b>	199	0	2892	0	2546	0	764	0

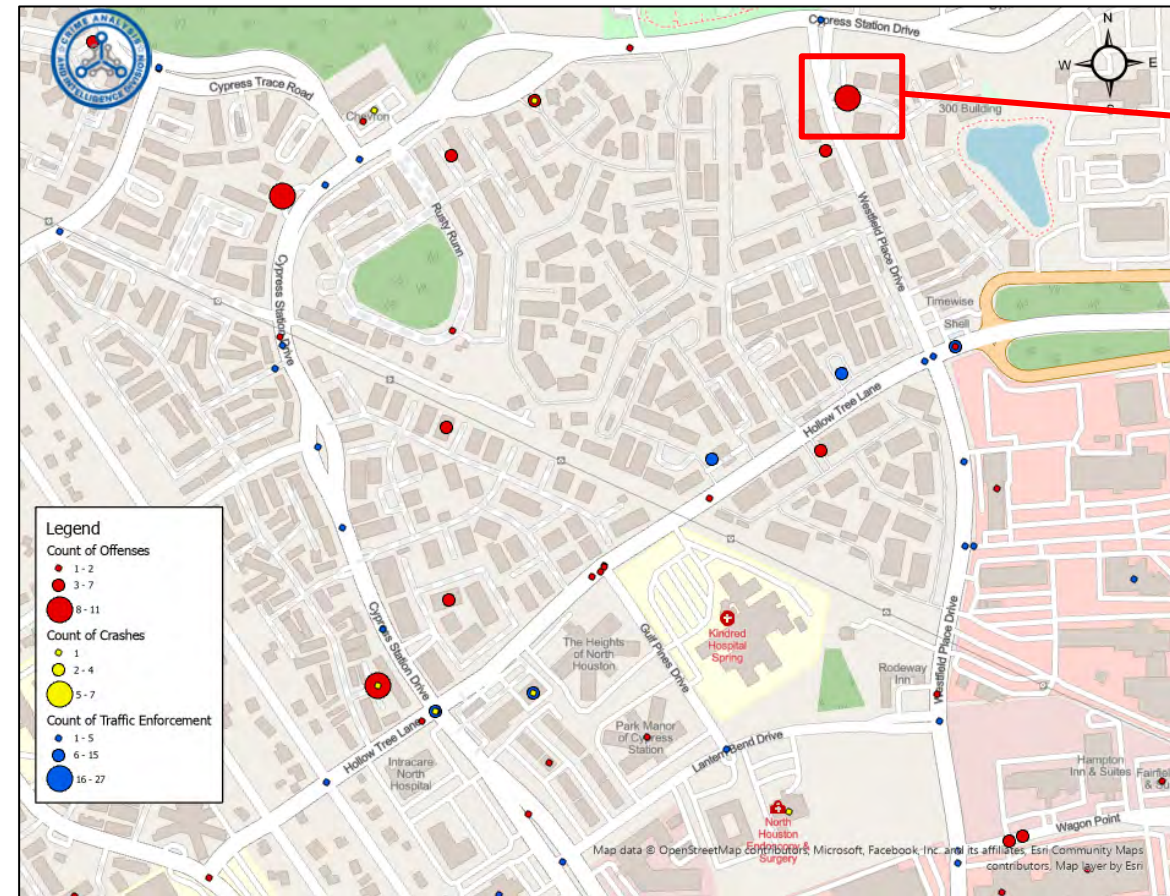
### In Progress Calls for Service in the zone

Calls for service that closed as 'IN PROGRESS' and not properly classified cannot be analyzed.

Nature	Sep-2022	2022 YTD	2021 YTD	2020 YTD
<b>IN PROGRESS</b>	0	1	20	32
<b>IN PROGRESS LIFE IN DANGER</b>	0	3	61	82
<b>Total</b>	0	4	81	114



# Tactical Analysis



## BMV's at [REDACTED] and [REDACTED]

**Synopsis:** Several BMV's occurred at neighboring Hotels at [REDACTED] and [REDACTED] in September 2022. The security guard works for both hotels and in some cases, advised he did not witness any BMV's during his rounds. Video surveillance is available but has not been recovered.

The complainant in case [REDACTED] provided a photograph of the vehicle believed to be involved in the burglary of her vehicle – a tan/brown in color, older model Nissan or Toyota sedan with paper plates.

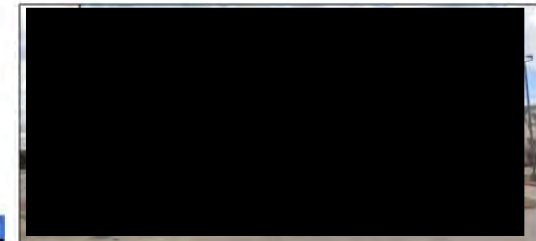
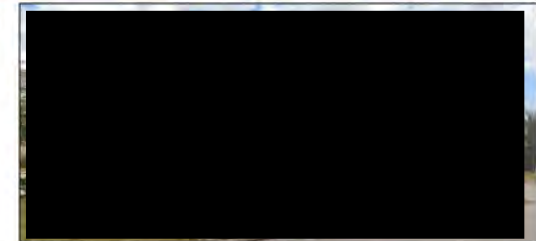
Several of the vehicles targeted at the [REDACTED] location were parked on the north lot of the building.

**Suspect Vehicle:** possibly a tan/brown older model Nissan or Toyota sedan paper plates.

**Suspect Description:** Unknown

### List of Cases

Agency	Date	DOW	Time	Case#	Offense	Location
HCSO	09/11/2022	SUN	08:51	[REDACTED]	BURGLARY OF VEHICLE	[REDACTED]
HCSO	09/18/2022	SUN	22:46	[REDACTED]	BURGLARY OF VEHICLE	[REDACTED]
HCSO	09/28/2022	WED	07:02	[REDACTED]	BURGLARY OF VEHICLE	[REDACTED]
HCSO	09/29/2022	THU	16:48	[REDACTED]	BURGLARY OF VEHICLE	[REDACTED]
HCSO	09/29/2022	THU	17:08	[REDACTED]	BURGLARY OF VEHICLE	[REDACTED]





# Ending of the Overtime Initiative

After the overtime initiative ended, we set forth a new goal in combating violent crime.

- Redefine hotspots
  - District level analysis
  - Pareto principle (80/20 Rule)
- Shift the focus of the analysis
  - Primary focus is Violent Crime
  - Small emphasis on analysis of crashes and family violence
- Additional mapping
  - Summarize percent change mapping
  - Optimized hot spot mapping



# Violent Crime Analysis Report

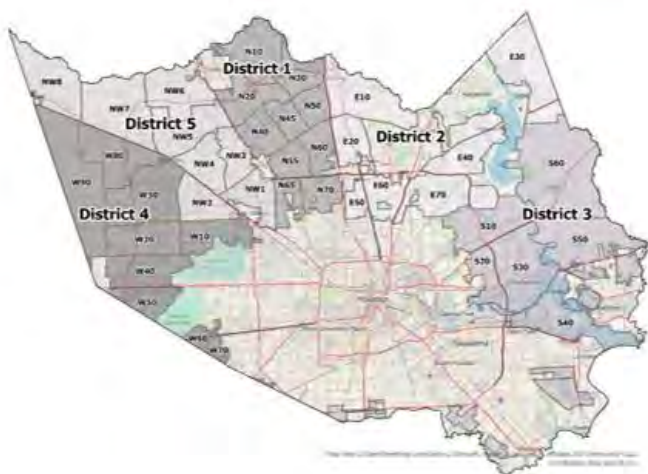
## Executive Summary

When comparing July 2024 to June 2024, RMS offenses **decreased slightly**, crashes **increased 2%**, arrests **decreased 12%**, citations **decreased 17%**, warning citations **increased 5%**, calls for service **increased 6%**, traffic stops **decreased 11%**, and traffic initiatives **increased 1%**.

In July 2024, there was a **2% decrease** in violent crime and a **2% increase** in family violence compared to June 2024. When compared to July 2023, violent crime **decreased by 11%** and family violence **increased by 2%**.

Analyzing violent crime in July 2024 compared to July 2023 across different districts revealed a **18% decrease** in District 1, a **5% increase** in District 2, a **20% decrease** in District 3, a **12% increase** in District 4, and an **28% decrease** in District 5.

Shoot and Hit calls for service **decreased 45%** in July 2024 (6 CFS) compared to June 2024 (11 CFS).



## County Wide Stats

An overview of offenses, crashes, calls for service, arrests, traffic enforcement, citations issued, warnings issued, violent crime and family violence are listed below.

### Activity Summary

Category	Current Year		1 Year		2 Years		
	Jul-24	% CHG	Jun-24	Jul-23	% CHG	Jul-22	% CHG
<b>RMS</b>							
RMS Offenses	8946	0%	8954	9608	-7%	9601	-7%
Crashes	2051	2%	2009	1877	9%	1776	15%
Arrests	1691	-12%	1913	1820	-7%	1891	-11%
Citations	3079	-17%	3702	3194	-4%	2548	21%
Warnings	4663	5%	4422	5231	-11%	3845	21%
<b>CAD</b>							
Calls for Service	109962	6%	104182	107712	2%	101855	8%
Traffic Stops	9258	-11%	10441	9617	-4%	8456	9%
Traffic Initiatives	420	1%	417	347	21%	387	9%

### Violent Crime by District

District	2023							2024							Grand Total	% of GT	% CHG (YOY)	
	JUL	AUG	SEP	OCT	NOV	DEC	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL				Total
1	217	221	223	208	189	175	1233	200	167	216	193	217	177	179	1349	2582	21%	-19%
2	178	191	205	241	193	228	1238	190	209	245	209	218	185	187	1443	2679	21%	5%
3	191	177	200	178	190	180	1099	171	160	195	171	174	188	153	1212	2308	19%	-20%
4	199	220	216	230	191	225	1281	228	246	235	228	241	196	223	1593	2874	23%	12%
5	124	130	129	142	113	113	751	108	96	109	119	140	104	83	765	1516	12%	-28%
(blank)	44	37	45	39	35	36	236	46	45	23	38	28	19	19	216	452	4%	-57%
Total	953	976	1018	1038	911	937	5833	941	923	1023	954	1018	869	850	6578	12411	100%	-11%
% CHG (MOM)	NA	2%	4%	2%	-12%	3%		0%	-2%	11%	-7%	7%	-15%	-2%				

### Violent Crime by Offense

Offense Category	2023							2024							Grand Total	% of GT	% CHG (YOY)	% CHG (MOM)	
	JUL	AUG	SEP	OCT	NOV	DEC	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL					Total
AGG ASSAULT	246	244	249	240	200	198	1377	215	207	221	216	262	217	207	1545	2922	24%	-5%	-18%
AGG SEXUAL ASSAULT	17	11	8	7	6	11	60	4	7	14	13	10	11	12	71	131	1%	5%	-29%
ASSAULT	277	290	286	295	273	312	1733	259	292	319	281	319	244	257	1971	3704	30%	5%	-7%
DEADLY CONDUCT	0	1	0	1	0	0	2	2	1	0	2	3	7	14	29	31	0%	100%	-
DISCHARGE OF FIREARM	27	22	24	46	22	28	169	36	28	38	30	12	17	15	174	343	3%	-17%	-44%
KIDNAPPING	3	6	2	7	5	3	26	6	7	5	3	5	10	3	39	65	1%	-76%	0%
MURDER	8	6	13	15	18	10	68	5	13	9	7	8	5	8	55	123	1%	60%	33%
OFFENSES AGAINST P&S	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	0%	-	-
ROBBERY	131	138	150	133	137	122	811	143	95	118	119	109	105	89	778	1588	13%	-15%	-32%
SEXUAL ASSAULT	70	96	78	68	72	80	472	74	92	87	79	86	78	69	565	1037	8%	-12%	-1%
TERRORISTIC THREAT	178	172	210	208	177	173	1114	197	183	212	204	204	175	174	1349	2463	20%	-1%	-1%
Total	953	976	1018	1038	911	937	5833	941	923	1023	954	1018	869	850	6578	12411	100%	-3%	-11%
% CHG (MOM)	NA	2%	4%	2%	-12%	3%		0%	-2%	11%	-7%	7%	-15%	-2%					

### Family Violence by District

District	2023							2024							Grand Total	% of GT	% CHG (YOY)	
	JUL	AUG	SEP	OCT	NOV	DEC	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL				Total
1	198	170	187	150	171	175	1049	161	175	198	174	196	185	168	1257	2306	17%	-14%
2	259	222	229	199	230	213	1352	222	221	221	224	208	241	268	1605	2957	20%	3%
3	199	196	197	202	211	218	1221	171	181	228	248	261	238	244	1571	2792	18%	23%
4	335	332	320	344	318	319	1966	323	319	332	350	384	358	363	2429	4395	30%	8%
5	144	137	147	158	118	152	856	149	121	141	144	180	118	121	949	1805	13%	-16%
(blank)	24	16	14	9	28	25	114	10	24	20	16	18	11	115	229	2%	-54%	
Total	1157	1073	1094	1062	1072	1100	6558	1033	1041	1140	1156	1225	1156	1175	7926	14484	100%	2%
% CHG (MOM)	NA	-7%	2%	-3%	1%	3%		-6%	1%	10%	1%	6%	-6%	2%				

\*Note: The highlighted column is the current month analyzed.  
 % CHG (MOM) is comparing month-to-month  
 % CHG (YOY) is comparing current month to same month a year ago.

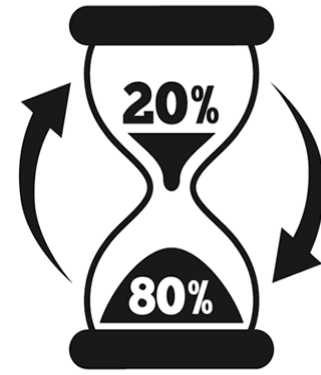


# Violent Crime Analysis Report

## Countywide Violent Crime Pareto Principle (80/20 Rule)

### Definition

The 80-20 rule, also known as the Pareto principle, is based on the theoretical concept that the majority of incidents occur at a small number of locations. Though incidents likely won't exactly equal an 80/20 ratio, a relatively small number of risky facilities will almost always account for a larger percentage of incidents in any jurisdiction.



### Analysis

The top 10 locations for the current month are being compared to the previous month. Both top 10 locations have a cumulative percentage of 5 - 8% of all violent crime.

#### Top 10 Locations – Current Month

Dist	Top 10 Locations	Type	Total	% of Grand Total
4		Private Residence	3	0.8%
2		Apt Complex	3	0.8%
2		Apt Complex	3	0.8%
2		Apt Complex	3	0.8%
2		Private Residence	3	0.8%
1		Apt Complex	3	0.8%
4		Walmart	3	0.8%
1		Apt Complex	3	0.8%
4		Apt Complex	3	0.8%
2		Apt Complex	3	0.8%
Cumulative Percentage				8.0%

#### Top 10 Locations – Previous Month

Dist	Top 10 Locations	Type	Total	% of Grand Total
2		Apt Complex	4	1.2%
4		Walmart	4	1.2%
2		Apt Complex	3	0.9%
5		Apt Complex	3	0.9%
2		Walmart	3	0.9%
2		Apt Complex	3	0.9%
2		Apt Complex	3	0.9%
4		Private Residence	2	0.6%
2		Apt Complex	2	0.6%
4		Walmart	2	0.6%
Cumulative Percentage				8.7%



# District

## 1

### Top Locations & Temporal Analysis



### Violent Crime Temporal Analysis 2024 YTD



**Peak Days**  
Tuesdays



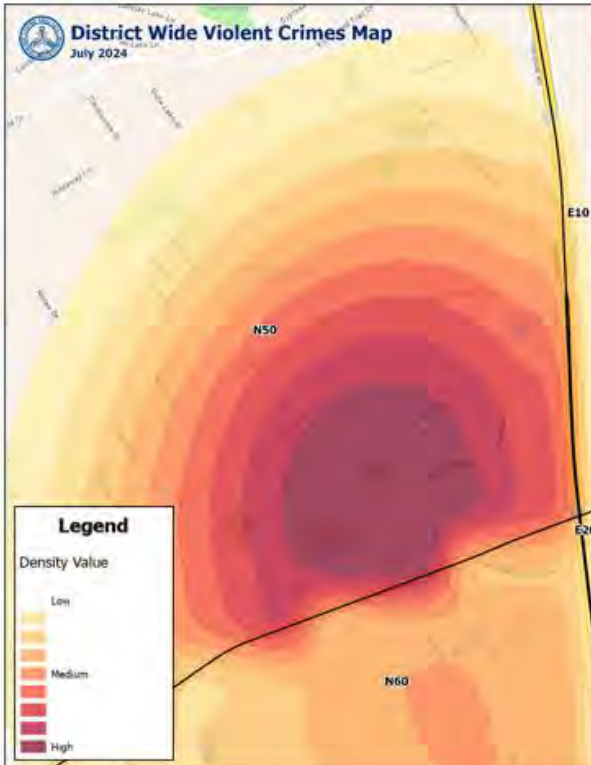
**Peak Times**  
3PM – 4PM

DOW	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
SUN	13	9	7	3	4	4	2	4	5	5	7	4	6	14	9	10	9	10	13	5	10	5	10	5	173
MON	8	6	1	1	4	2	4	8	4	6	12	15	12	9	11	18	10	13	16	13	8	8	7	12	207
TUE	16	2	4	4	2	3	4	5	6	7	7	10	6	8	14	14	12	12	15	18	13	12	7	13	211
WED	12	7	3	0	2	4	2	1	5	6	7	13	7	8	12	15	22	11	11	11	6	3	11	7	186
THU	12	3	2	2	4	5	5	7	3	7	4	5	8	12	7	11	10	18	22	5	8	9	3	6	176
FRI	5	5	5	1	4	3	4	5	9	7	13	9	9	18	9	14	12	15	5	11	12	3	14	10	202
SAT	14	10	6	7	3	5	1	4	3	5	6	9	8	6	8	14	13	12	12	10	13	8	5	12	194
Total	79	41	28	18	23	26	22	34	35	43	56	65	56	75	70	96	88	89	94	71	70	48	57	65	1349

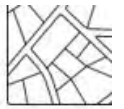
### Top 5 Repeat Locations YTD

by Violent Crime Offense Category

Top Locations/Offense Category	Total
AGG ASSAULT	16
ASSAULT	5
MURDER	4
ROBBERY	1
TERRORISTIC THREAT	3
AGG ASSAULT	12
ASSAULT	4
MURDER	2
SEXUAL ASSAULT	1
TERRORISTIC THREAT	2
AGG ASSAULT	12
ASSAULT	2
ROBBERY	7
TERRORISTIC THREAT	1
AGG ASSAULT	2
AGG SEXUAL ASSAULT	2
ASSAULT	1
MURDER	3
TERRORISTIC THREAT	1
AGG ASSAULT	3
AGG ASSAULT	10
ASSAULT	1
DISCHARGE OF FIREARM	1
ROBBERY	4
ROBBERY	1
ROBBERY	1



## County Wide Violent Crime Kernel Density Map



**What is Kernel Density?**

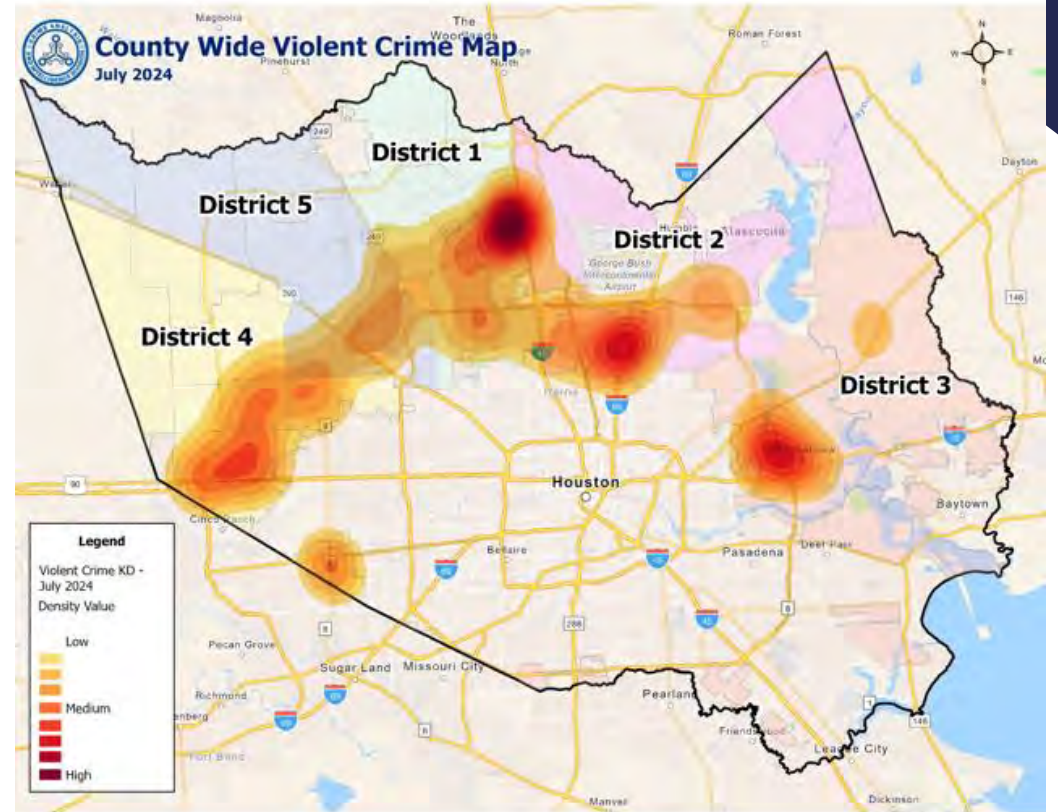
Kernel Density calculates the density of incidents (point features) around an area (output raster cell).

**How Kernel Density works?**

Conceptually, a smoothly curved surface is fitted over each point. The surface value is highest at the location of the point and diminishes with increasing distance from the point, reaching zero at the search radius distance from the point. Only a circular neighborhood is possible. The density at each output raster cell is calculated by adding the values of all the kernel surfaces where they overlay the raster cell center.

**Analysis**

The Kernel Density map demonstrates hot spots county wide. The hot spots are concentrated in the Cypress Station area (District 1), the Aldine area (District 2), Cloverleaf/Uvalde area (District 3).



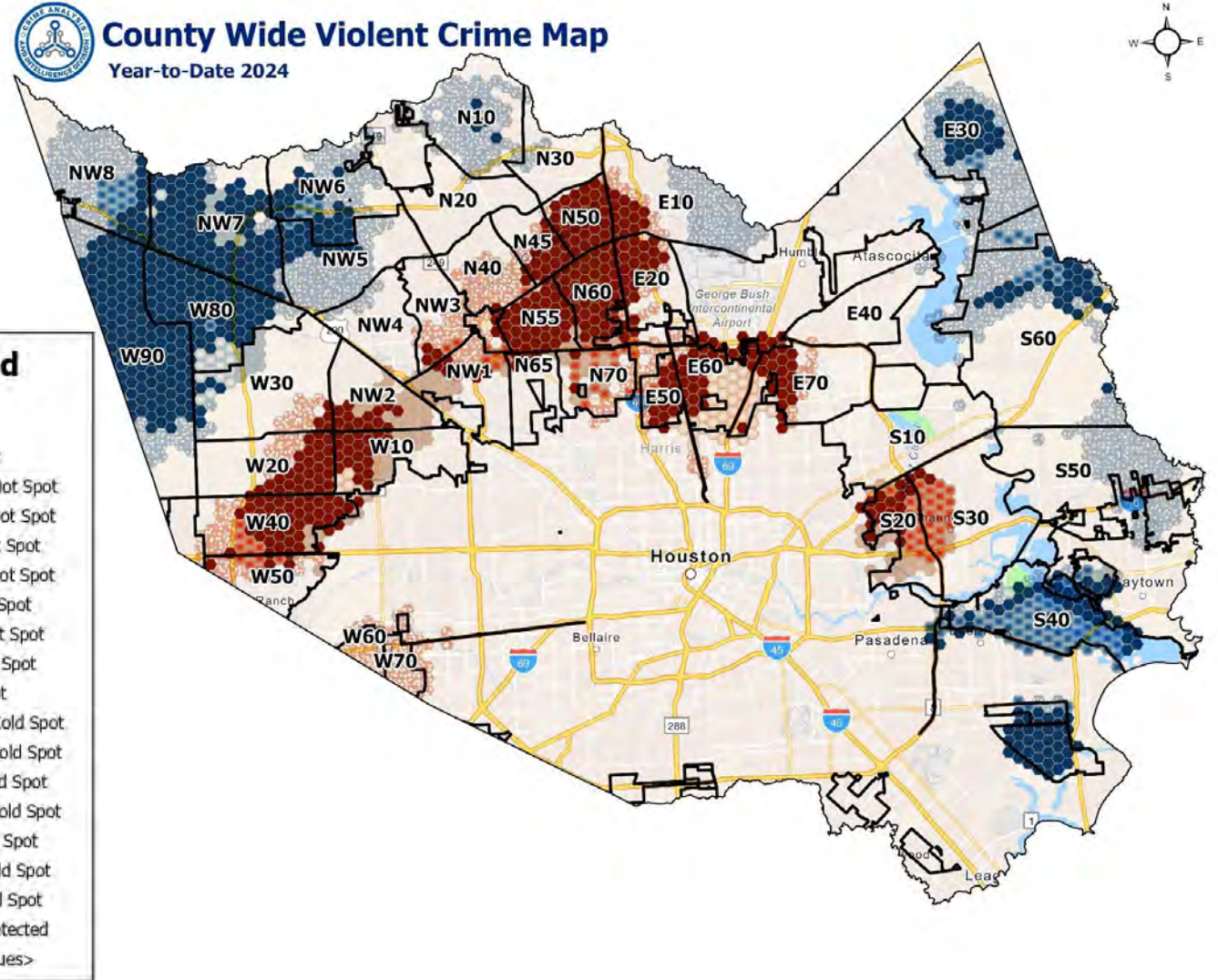
# County Wide Violent Crime Emerging Hot Spot Analysis Map

What is Emerging Hot Spot Analysis?

The Emerging Hot Spot Analysis tool identifies trends in data, such as new, intensifying, diminishing, and sporadic hot and cold spots.

How it works?

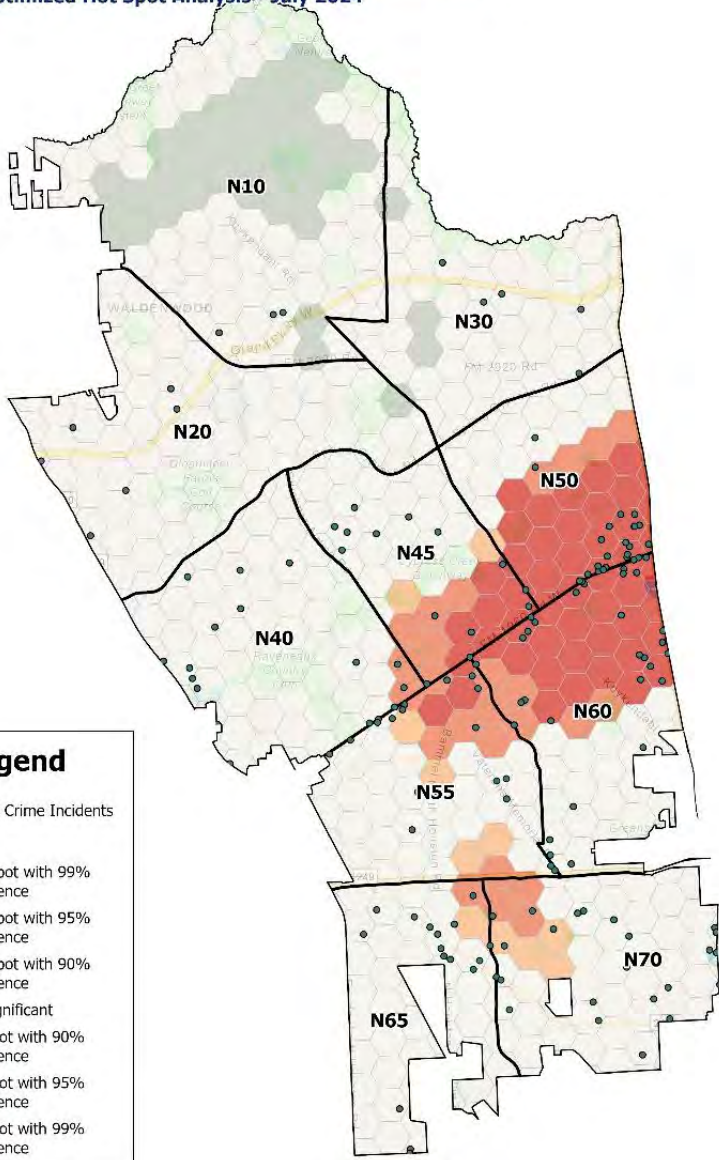
The tool takes as input a space-time netCDF cube created by various tools in the Space Time Pattern Mining toolbox. It uses the Conceptualization of Spatial Relationships values you provide to calculate the Getis-Ord  $G_i^*$  statistic (using Hot Spot Analysis) for each bin using an FDR correction. Once the space-time hot spot analysis completes, each bin in the input netCDF cube has an associated z-score, p-value, and hot spot bin classification added to it. Next, these hot and cold spot trends are evaluated using the Mann-Kendall trend test.





## District Wide Violent Crimes Map

Optimized Hot Spot Analysis--July 2024



## Summarize Percent Change

- **Definition:** Calculates the percentage change for each polygon in a layer by using input point layers representing two comparison time periods. It calculates the current month to the previous month.
- **Recommendation:** Ideal to evaluate operations or significant actions taken in a region for effectiveness on reduction of crime.

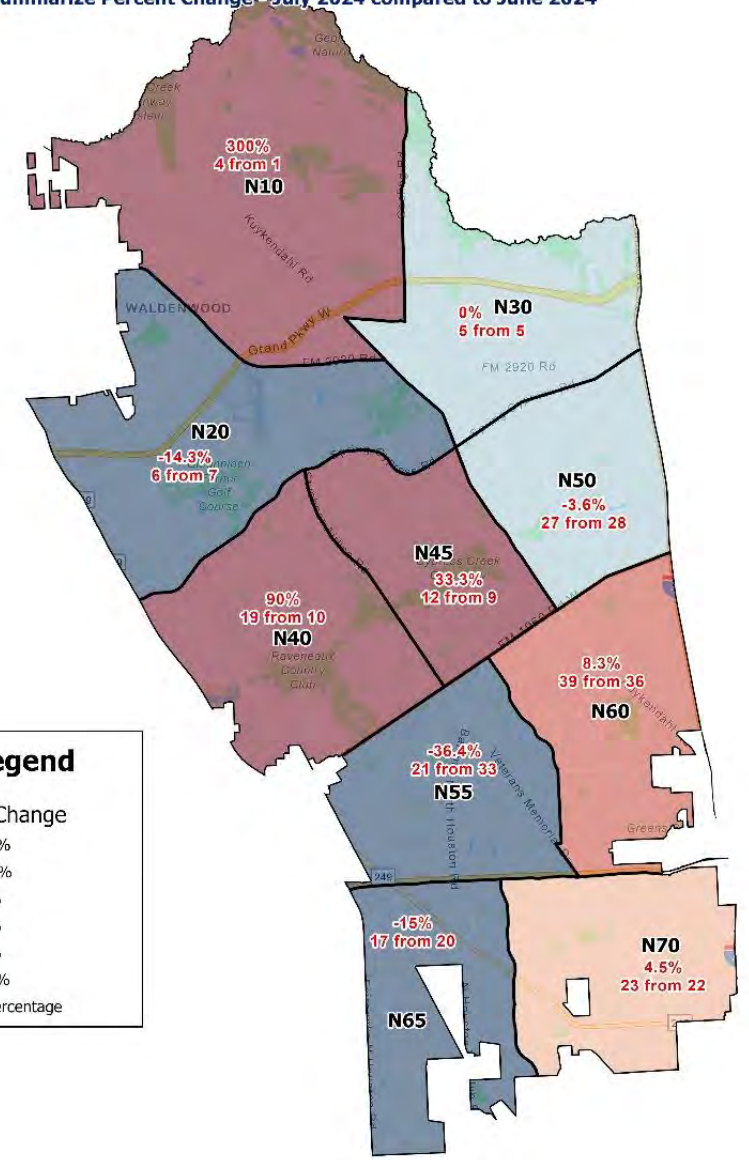
## Optimized Hot Spot Analysis

- **Definition:** This tool takes incident points or weighted features (points or polygons) and creates a map of statistically significant hot and cold spots by using the Getis-Ord Gi\* statistic. It evaluates the characteristics of the input feature class to produce optimal results.
- **Recommendation:** Ideal for deployment of ops and evaluating hot and cold spots.



## District Wide Violent Crimes Map

Summarize Percent Change--July 2024 compared to June 2024



# Violent Crime Executive Report



## HCSO Violent Crimes Executive Report

January 2023

Published on 3/7/2023  
By: I. Garcia, CAID Analyst

### Mission Statement

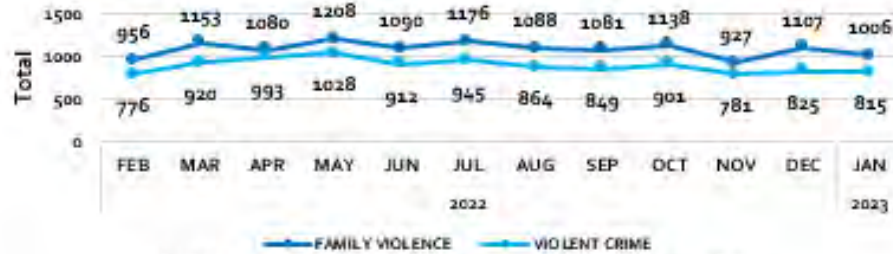
The mission of the Harris County Sheriff's Office is "To enhance the safety and protect the trust of the citizens of Harris County by enforcing the law with integrity and professionalism."



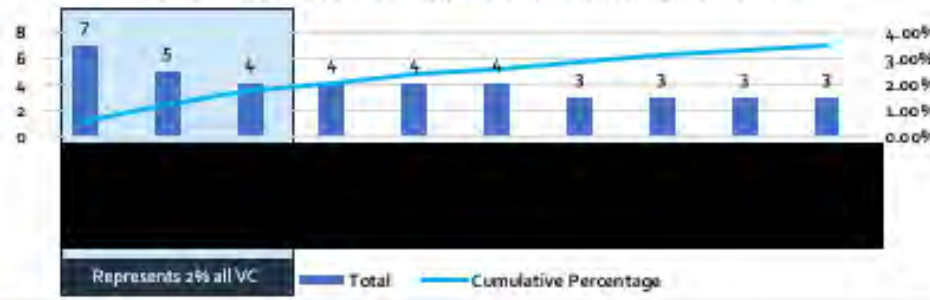
The purpose of this report is to provide a summary of countywide violent crimes and family violence reported to (HCSO) retrieved from Records Management System (RMS) and SSPS.

### Countywide Analysis

RMS Violent Crime and Family Violence (rolling 12 months)



RMS Violent Crime - Top 10 Repeat Locations (YTD)



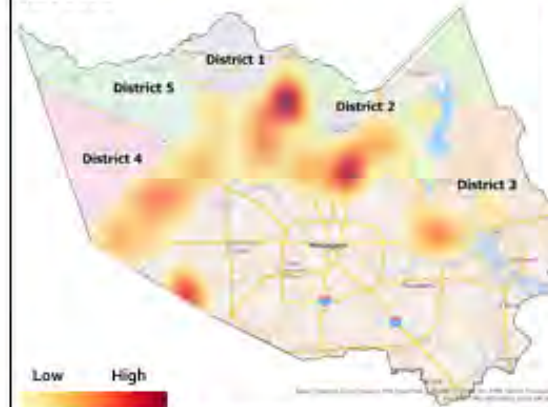
### Districtwide Analysis (90 Days)

District	Family Violence	Violent Crime	Total
1	592	526	1107
2	653	523	1176
3	474	467	941
4	878	542	1420
5	390	259	649
(blank)	54	114	168
Total	3040	2421	5461

### Countywide Activity Summary

Category	Current Year		1 Year		2 Years		
	Jan-23	% CHG	Dec-22	Jan-22	% CHG	Jan-21	% CHG
Offenses	9272	1%	9183	9918	-7%	9314	0%
Crashes	1887	-2.0%	2099	1984	-5%	1743	8%
Arrests	1814	2%	1778	2135	-15%	1460	24%
Citations	3693	2%	3631	3107	19%	3656	1%
Warnings	6103	-3%	6267	4487	36%	4914	24%
Calls for Service	116738	-1%	117998	1E+05	12%	111380	5%
Traffic Stops	11266	1%	11100	10431	8%	9744	16%
Traffic Initiatives	501	-6%	531	489	2%	892	-44%

### Countywide Violent Crime Kernel Density Map Jan 2023



### Countywide Violent Crime (90 Days)

RMS Offense Category	NOV	DEC	JAN	Total
AGG ASSAULT	154	184	165	503
AGG SEXUAL ASSAULT	15	9	10	34
ASSAULT	227	230	233	690
DEADLY CONDUCT	32	23	38	93
DISCHARGE OF FIREARM	35	36	45	116
KIDNAPPING	3	4	3	10
MURDER	11	7	10	28
OFFENSES AGAINST PUBLIC SERVANT	2	1	0	3
ROBBERY	92	111	105	308
SEXUAL ASSAULT	64	60	58	182
TERRORISTIC THREAT	146	160	148	454
Total	781	825	815	2421
% CHG	NA	6%	-1%	



# Violent Crime Executive Report

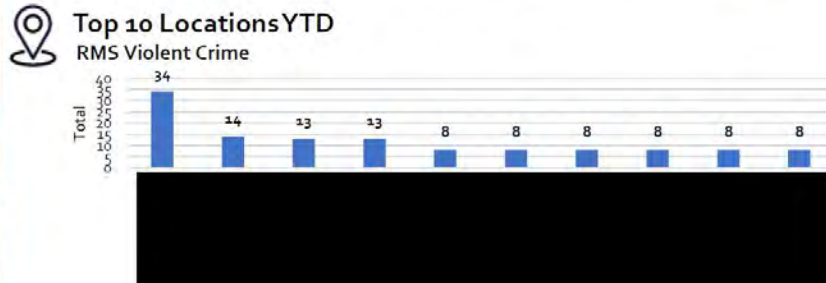
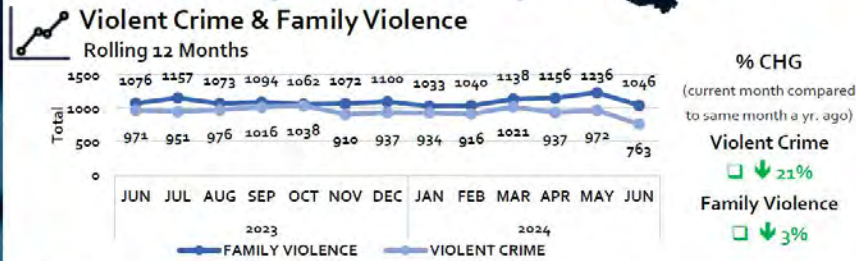
## June 2024 HCSO Violent Crimes Executive Report

Produced on: July 15, 2024  
By: I. Garcia, CAID Analyst

Tracking ID: 4LQ-W4L-gW6T  
Reviewed by: A. Kneitz, CAID Analyst



### County Wide Analysis



**Methodology**  
The purpose of this report is to provide a summary of county wide violent crimes and family violence reported to (HCSO) retrieved from Records Management System (RMS) and SQL Server Reporting Services (SSRS).

### County Wide Violent Crime (90 Days)

RMS Offense Category	APR	MAY	JUN	Total	% CHG
AGG ASSAULT	214	234	194	642	
AGG SEXUAL ASSAULT	12	10	9	31	
ASSAULT	273	297	215	785	
DEADLY CONDUCT	3	21	10	34	
DISCHARGE OF FIREARM	30	11	16	57	
KIDNAPPING	3	5	9	17	
MURDER	7	8	4	19	
ROBBERY	117	108	91	316	
SEXUAL ASSAULT	76	83	56	215	
TERRORISTIC THREAT	202	195	159	556	
<b>Total</b>	<b>937</b>	<b>972</b>	<b>763</b>	<b>2672</b>	
<b>% CHG</b>	<b>NA</b>	<b>4%</b>	<b>-22%</b>		

**% CHG**  
(current 90 Days compared to same 90 Days a yr. ago)  
↓ 16%

### District Wide Analysis (90 Days)

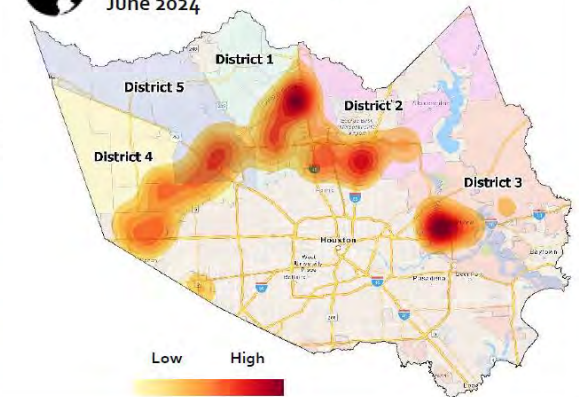
District	Family Violence	Violent Crime	Total	% CHG
1	527	553	1080	
2	663	577	1240	
3	728	500	1228	
4	1066	617	1683	
5	409	349	758	
(blank)	45	76	121	
<b>Total</b>	<b>3438</b>	<b>2672</b>	<b>6110</b>	

**% CHG**  
(current 90 Days compared to same 90 Days a yr. ago)  
Violent Crime: ↓ 16%  
Family Violence: ↑ 3%

### County Wide Activity Summary

Category	Current Year		1 Year		2 Years		
	Jun-2024	% CHG	May-2024	Jun-2023	% CHG	Jun-2022	% CHG
<b>RMS</b>							
Incidents	8227	-14%	9512	9977	-18%	9815	-16%
Crashes	1897	-16%	2248	2064	-8%	1869	1%
Arrests	1836	12%	1644	1771	4%	1913	-4%
Citations	3686	-2%	3779	3638	1%	2996	23%
Warnings	4413	-2%	4486	5507	-20%	4271	3%
<b>CAD</b>							
Calls for Service	104182	-3%	107687	111903	-7%	106482	-2%
Traffic Stops	10442	12%	9340	10477	0%	8727	20%
Traffic Initiatives	417	3%	405	446	-7%	406	3%

### Kernel Density Map June 2024





# Generating Bulletins



## Harris County Sheriff's Office Crime Analysis and Intelligence Division

5749 S. Loop E. Houston, TX 77033  
713-274-6240

Law Enforcement Sensitive // Official Use Only



NAME: [REDACTED]  
DOB: [REDACTED]  
SPN: [REDACTED]  
TDL: [REDACTED]  
ALIAS: [REDACTED]

**Possible Address(s):**  
• [REDACTED]  
• [REDACTED]

**Possible Phone Number(s):**  
• [REDACTED]  
• [REDACTED]

**Possible Vehicle(s):**  
• [REDACTED]

**Gang Tracker/TX Gang:**  
• No records found

**Social Media:**  
• [REDACTED]

DATE OF REPORT	ORIGINATION DATE	DATE OF LAST UPDATE
05-18-2023	02-22-2003	03-01-2014
TOTAL ARRESTS: 1		
POST RECENT OCCURRENCE: 10-18-2002		
LAST ARRESTING AGENCY: [REDACTED]		



Plate: [REDACTED]  
Date: [REDACTED]  
Camera: [REDACTED]



PLATE AGE: 0  
REMARKS: ACTUAL MILEAGE, DATE OF ASSIGNMENT: 2022/11/05, PAPER TITLE, HRT: 572268 IN: MVDMS 77728 AT 18MAY2023 12:16:29  
OUT: HRX8 23671 AT 18MAY2023 12:16:29

Subject's vehicle and rental vehicle were picked up on Flock together on 5/14/23



Plate: [REDACTED]  
Date: [REDACTED]  
Camera: [REDACTED]

Date: 5/23/2023  
Produced by: J. Russell Tracking ID: Y23-7HA-8LEV



## Harris County Sheriff's Office Crime Analysis and Intelligence Division

5749 S. Loop E. Houston, TX 77033  
713-274-6240

Law Enforcement Sensitive // Official Use Only

### HCSO Agg Robbery Case 2304-09384

#### Executive Summary:

CAID was tasked with linking robberies involving a black male wearing a Wendy's uniform to HCSO Agg Robbery case 2304-09384 which occurred at [REDACTED] Boost Mobile Store on 4/24/2023. A narrative search was conducted in RMS for all Robberies and Agg Robberies from 1/1/2022 – 5/2/2023 using the keyword "Wendy%" and no other cases were found.



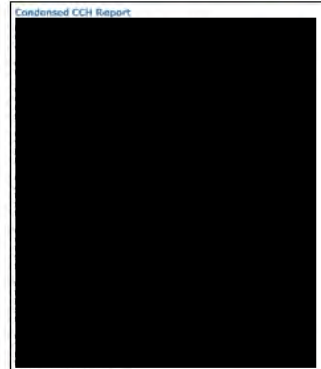
#### Suspect:

[REDACTED] was detained in the incident wearing a Wendy's uniform. No other robberies were discovered that had apparent links to Nicholson. A TWC search on Nicholson revealed he has no history of working at any Wendy's.



> LKA: [REDACTED]  
> Phon: [REDACTED]

**Resources Checked:**  
RMS, CAD, DA's Website, Gang Tracker, TXGANG, Leads Online, Clear, TLO, TWC



**Disclaimer**  
This information is for operational/informational use only and does not represent the official crime event data captured by the Harris County Sheriff's Office. This information is intended for law enforcement use only and is not intended to be released to the public as the official crime statistics of the Harris County Sheriff's Office.  
The Crime Data represents basic/general data of incidents based on the highest offense listed in a particular report and does not reflect the FBI's NIBRS coding system in that lesser included offenses may not be included. As data is submitted, routine data validation are applied to ensure completeness, however, the responsive data contained within this report may have been retrieved from the system prior to being subject to or completing those validation routines, and as such, may contain inaccuracies, be incomplete or not reflect every incident that may have occurred with the specified jurisdiction for the requested timeframe. The data may or may not have been screened through the Harris County Sheriff's Office records department and therefore may reflect:  
- Information not yet verified by further investigation and may include mechanical or human error  
- Preliminary crime classifications that may be changed at a later date based upon further investigation.  
Upon receipt of this data, all information must be kept strictly confidential and in compliance with applicable statutes, regulations and policies under the Freedom of Information Act, the Privacy Act and other applicable federal and/or state statutes and regulations to include court orders (i.e., expungement). Any release of the data beyond a Harris County Sheriff's Office employee is not authorized.

Date: 5/9/2023  
Produced by: I. Garcia, CAID Analyst





# Harris County Sheriff's Office

## Crime Analysis and Intelligence Division

5749 S. Loop E. Houston, TX 77033  
713-274-6240

Law Enforcement Sensitive // Official Use Only

### LA Fitness BMW Spree

**Executive Summary:** HCSO Auto Theft Investigator J. Borowski requested assistance in locating additional BMW cases involving a Black Male driving a tan or silver Pontiac Grand AM and possible identification of the suspect and suspect vehicle. According to HCSO BMW case 2212-06865, which occurred on 12/18/2022 at a LA Fitness, a Game Warden's duty belt with a 9mm Glock 17 service pistol and several other items were stolen. Other vehicles at the location were also burglarized and a second Glock 19 Gen 5 pistol was stolen along with some credit cards that the suspect used to purchase gift cards at the Wal-Mart at [REDACTED]

Surveillance video from Wal-Mart revealed the suspect vehicle to be an older model Pontiac sedan, tan or silver. The suspect was described as a black male medium build. Suspect(s) appear to target gyms in the District 4 area and utilize the stolen credit cards to purchase gift cards at Wal-Mart's.

CAID searched all BMWs at the three LA Fitness locations since October 1, 2022, and found the linked and possibly linked cases below:

Linked	Agency	Date	Case#	Offense	Address	Gun Stolen	Suspect Info
Yes	HCSO	7/29/2022 13:42	220710986	BURGLARY OF VEHICLE	[REDACTED]	No	White Chevrolet Impala TXLP registered to Christopher Thomas
Yes	HCSO	7/29/2022 13:42	220710988	BURGLARY OF VEHICLE	[REDACTED]	No	White Chevrolet Impala TXLP registered to Christopher Thomas
Possibly	HCSO	10/5/2022 22:01	221001878	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCSO	10/7/2022 14:40	221002610	BURGLARY OF VEHICLE	[REDACTED]	black Glock 19 (Serial Number: 8DCU632)	black male wearing a blue surgical mask with a gray hoodie
Possibly	HCCS	10/17/2022 12:19	221000596	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCCS	10/17/2022 12:59	221000596	BURGLARY OF VEHICLE	[REDACTED]	Black Taurus 9mm Pistol	None
Possibly	HCCS	10/22/2022 11:43	221000777	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCSO	10/22/2022 13:21	221008498	BURGLARY OF VEHICLE	[REDACTED]	Glock 19, 4th Gen	None
Possibly	HCCS	11/15/2022 21:47	221100495	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCSO	11/21/2022 3:41	221107838	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCSO	11/23/2022 10:44	221108153	BURGLARY OF VEHICLE	[REDACTED]	No	None
Possibly	HCSO	11/30/2022 15:45	221111087	BURGLARY OF VEHICLE	[REDACTED]	No	None
Yes	HCCS	12/13/2022 21:48	221200443	BURG MOTOR VEHICLE	[REDACTED]	No	3 Black Males
Yes	HCCS	12/13/2022 21:54	221200447	BURG MOTOR VEHICLE	[REDACTED]	No	3 Black Males
Yes	HCCS	12/13/2022 23:40	221200448	BURGLARY OF VEHICLE	[REDACTED]	No	3 Black Males
Possibly	HCSO	12/15/2022 9:20	221205813	BURGLARY OF VEHICLE	[REDACTED]	No	white four door vehicle
Yes	HPD	12/15/2022 11:27	1888659-22	BMW	[REDACTED]	Unknown	Unknown
Yes	HCSO	12/18/2022 17:33	221208865	BURGLARY OF VEHICLE	[REDACTED]	Glock 19 Gen5 with a red dot scope bearing Serial #BMTCP35	older 1997-2000 gray Pontiac Grand Prix With a foggy rear plate
Yes	HCSO	12/18/2022 17:33	221208865	BURGLARY OF VEHICLE	[REDACTED]	black Glock 17 Gen5 bearing Serial #197250	older 1997-2000 gray Pontiac Grand Prix with a foggy rear plate



# Harris County Sheriff's Office

## Crime Analysis and Intelligence Division

5749 S. Loop E. Houston, TX 77033  
713-274-6240

Law Enforcement Sensitive // Official Use Only

**Intel Analysis:** Analyst A. Kneitz queried in TX DMV's e-Tag Dataset (temp tag/buyer tag/dealer tag) for all tags for 1997-2003 Pontiac vehicle owners in Houston/Spring/Katy.

- There were 508 returns, filtered to Grand Prix, silver or gray.
- There were 14 returns, ran all 14 for LPR images and all owner names for TXDL or booking photos for suspect description match.
- Comparison of images was conducted.
- **One possible match on buyer tag 1768H68 – vehicle owner listed as [REDACTED]**



Vigilant LPR image



Flock image



Game Warden Flyer images



LA Fitness BMW 1555 Eldridge Pkwy



LA Fitness BMW 6386 Eldridge Pkwy (in C5 but reported to HPD)

Comparing to LPR images, there is a matching white decal/sticker on rear window (bottom left side), badging on front passenger door, matching markings on trunk lid, matching sunroof and rear spoiler, similar wheels.

Address in TLO shows a [REDACTED] as a resident there with [REDACTED] as a possible relative. [REDACTED] was arrested on 12/20/2022 by Webster PD for an open warrant driving the Pontiac and is currently under investigation with Webster PD for three BMW's that same day in their jurisdiction.

Contact was also made with analyst with Webster PD and Deer Park PD, whom noted that there was a Sugarland PD case in July 2022 for BMW at Lifetime Fitness for suspect [REDACTED]

TEMPORARY TAG: 1768H68 VALID: 2022/12/15 00:00:00 - 2022/12/15 00:00:00  
 VIN: 1G2M52102190833 COLOR: GRAY TITLE: HDL, GRA, STYL-140  
 TAG STATUS: EXPIRED

BUYER TEMPORARY TAG:  
 NAME: [REDACTED]

DEALER DETAILS:  
 NAME: [REDACTED]  
 DBA NAME: [REDACTED]  
 ADDRESS 1: [REDACTED]  
 ADDRESS 2: [REDACTED]  
 CITY: [REDACTED]  
 STATE: [REDACTED]  
 ZIP: [REDACTED]  
 MFI: 9984951 INT: 89465 54128 AT: 22DEC2022 09:57:00  
 OUT: H00R 15692 AT: 22DEC2022 09:57:00

# Power BI Dashboards

Power BI offers numerous advantages when making data-driven decisions and creates insightful visualizations.

- **Data Visualization:** Power BI allows law enforcement agencies to create visually appealing and interactive dashboards that make it easier to understand complex crime data, patterns, and trends. Visualizations like maps, charts, and graphs provide insights at a glance.
- **Real-time Insights:** Power BI can connect to real-time data sources, enabling law enforcement personnel to access up-to-the-minute information about incidents, crime rates, and other relevant data. This helps in proactive decision-making and resource allocation.
- **Customized Dashboards:** Power BI's flexibility allows law enforcement professionals to tailor dashboards to their specific needs. Different units or departments can create personalized views to focus on the data that matters most to them.
- **Crime Analysis:** Law enforcement agencies can use Power BI to analyze crime patterns, identify hotspots, and understand the relationship between different types of crimes. This information can guide targeted patrols and interventions.
- **Resource Allocation:** Power BI aids in efficient resource allocation by providing insights into where and when crime occurs most frequently. This helps agencies allocate personnel and assets strategically to address high-risk areas.
- **Predictive Analysis:** By analyzing historical data, Power BI can assist law enforcement in predicting future crime trends and patterns. This allows for proactive measures to prevent criminal activity.
- **Performance Monitoring:** Power BI enables agencies to track the effectiveness of their strategies and initiatives over time. This can include monitoring crime reduction efforts, community engagement programs, and more.
- **Transparency and Accountability:** Law enforcement agencies can use Power BI to create transparent reports on crime statistics, use of force incidents, and other important metrics. This promotes accountability and fosters trust with the community.
- **Efficient Reporting:** Power BI streamlines the process of generating reports and updates. Automated reporting features reduce the manual effort required to compile and share data with stakeholders.
- **Collaboration:** Power BI's sharing and collaboration features allow different departments, agencies, and stakeholders to access and contribute to the same data, fostering better communication and coordination.
- **Cost Savings:** By using a centralized platform for data analysis and reporting, law enforcement agencies can potentially reduce the need for multiple software tools and streamline their IT infrastructure.
- **Data-Driven Decision Making:** Power BI empowers law enforcement leaders to base their decisions on data-driven insights rather than relying solely on intuition. This leads to more informed and effective decision-making.





# Overview of CAD Calls for Service & RMS Incidents



CAD Call Date/Time

RMS Date Occurred

1/1/2024

7/31/2024

1/1/2024

7/31/2024

CAID - Primary Dashboard

Overview

CAD CFS

RMS Incidents

Robberies

Assaults

Adult Sexual Assaults

CAID - PNI Dashboard

CAID - Non-Fatal Shootings

CAID - Auto Theft/BMV

CAID - Roadway Hazards

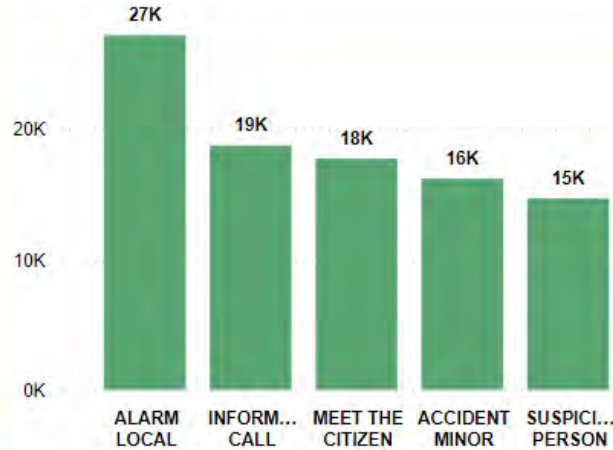
CAID - Homeless Encampme...

CAID - Illegal Dumpings

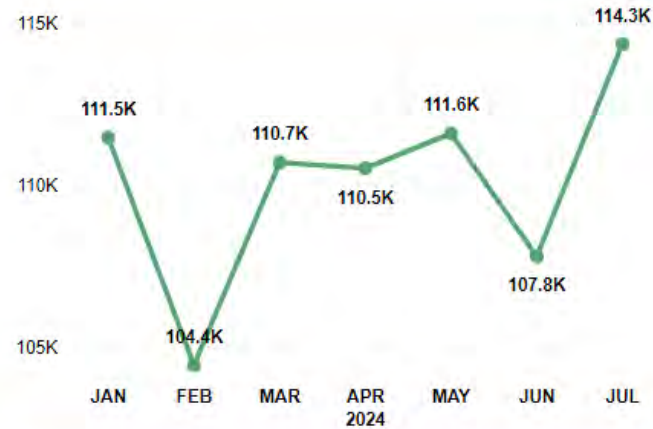
CAID - Non SI CAD CFS with...

Go back

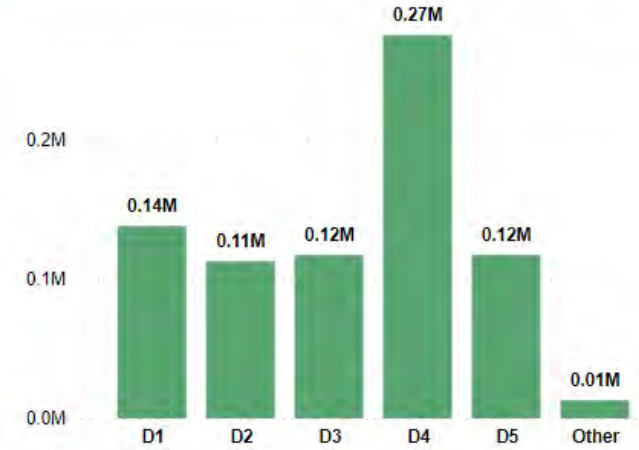
Top 5 Non-SI CAD Call Types



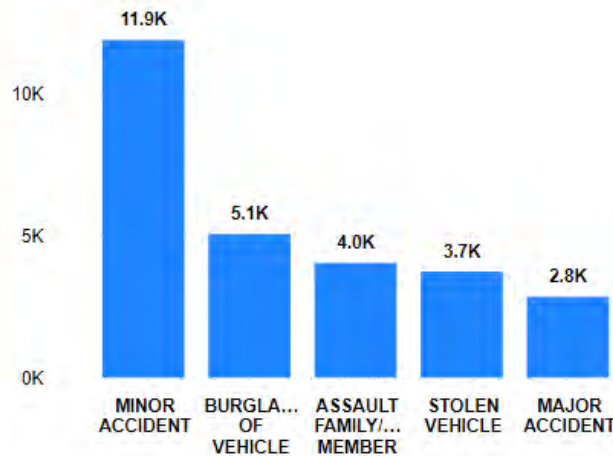
CAD CFS by Month and Year



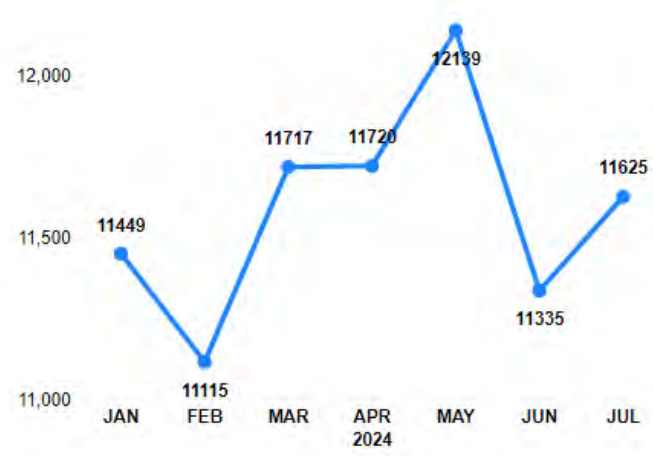
CAD CFS by District



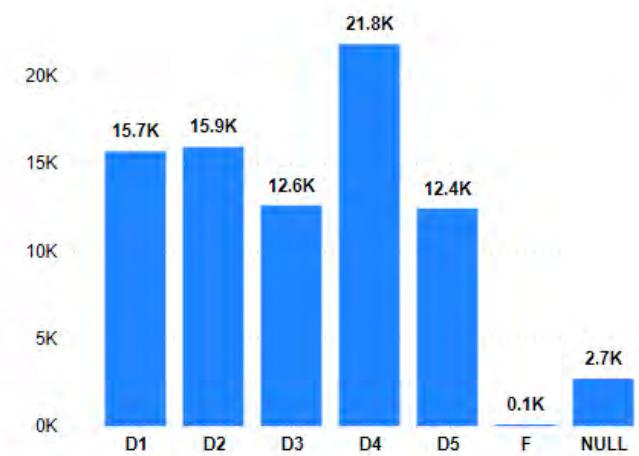
Top 5 RMS Offenses



RMS Incidents by Month and Year



RMS Incidents by District





# HCSO CAD Calls for Service Special Time Stamp

**536**  
Total CFS

**Methodology:** This page is displaying all HCSO calls for service that had a Trans type of SFH, SHOT, and SFM from January 1, 2022 to current retrieved from Computer-Aided Dispatch (CAD).

Date

1/1/2022 4/3/2023



District

BLANK	D2	D4
D1	D3	D5

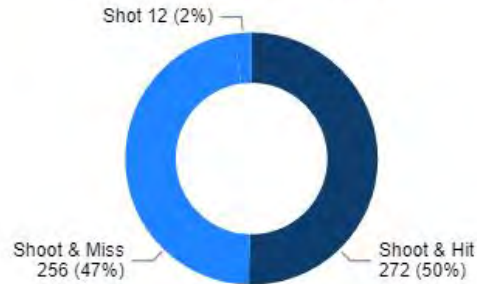
Agency

HCC3	HCSO
HCC4	HOUS

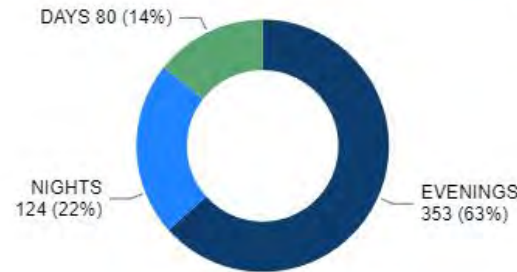
Nature

- ACCIDENT MAJOR
- ACCIDENTAL INJURY
- ALARM REP SITE
- ANIMAL AGGRESSIVE
- ASSAULT AGG

### Total CFS by Trans Type



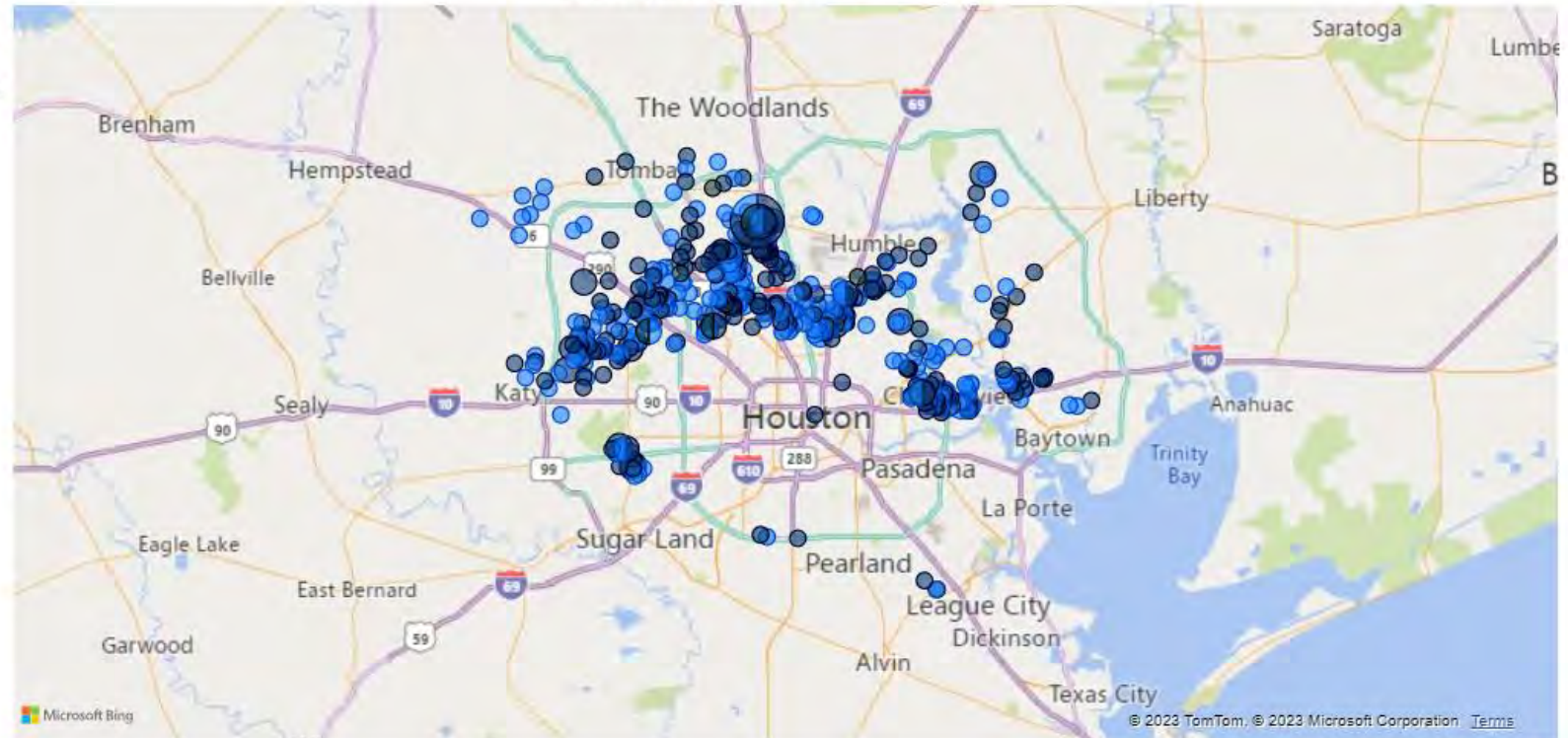
### Total CFS by Shift



### CAD Calls for Service by Trans Type and District

District	Shoot & Hit	Shoot & Miss	Shot	Total
BLANK	1			1
D1	88	54	5	145
D2	53	65	4	122
D3	57	65	1	122
D4	46	40	1	86
D5	27	32	1	60
<b>Total</b>	<b>272</b>	<b>256</b>	<b>12</b>	<b>536</b>

### CAD Calls for Service





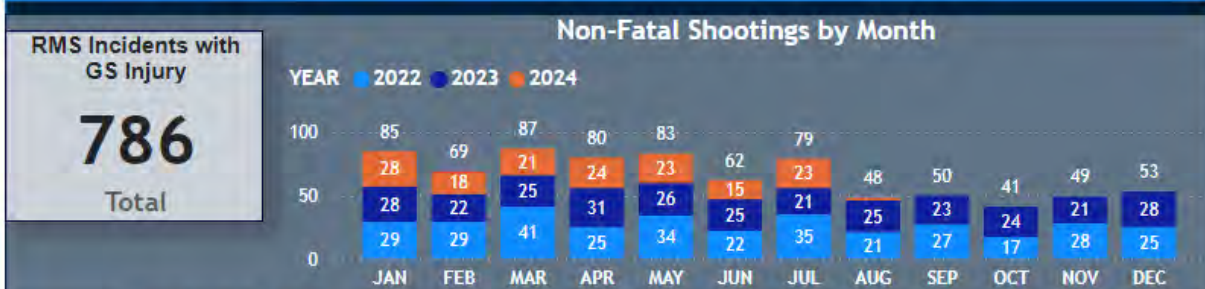
# Non-Fatal Shootings

Date Occurred

1/1/2022

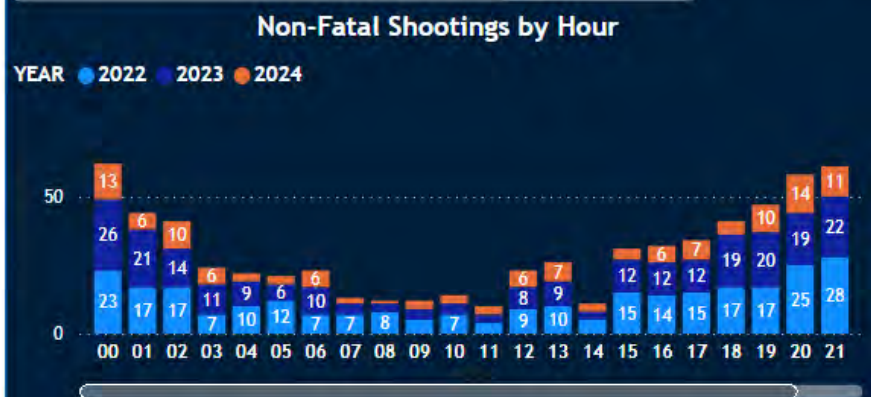
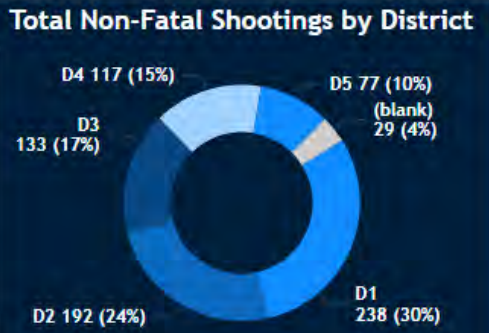
8/8/2024

- Non-Fatal Shootings
- Non-Fatal Shootings De...
- Non-Fatal Victims
- Seized Firearms



### Total Non-Fatal Shootings by Offense

OFFENSE	2022	2023	2024
AGG ASSAULT CAUSES SERIOUS BODILY INJ	179	164	70
AGGRAVATED ASSAULT	93	81	52
AGG ROBBERY	31	27	10
AGG ASSAULT FAMILY/HOUSE MEMBER	20	21	18
DEADLY CONDUCT	4	4	3
DISCHARGE OF FIREARM	3	1	
FSGI < \$200	1		
INJURY CHILD/ELDERLY/DISABLE RECKLESS SBI/MENTAL		1	
ROBBERY	1		
SUSPICIOUS ACTIVITY	1		
Total	333	299	154



### Total by Circumstance and Gang Related

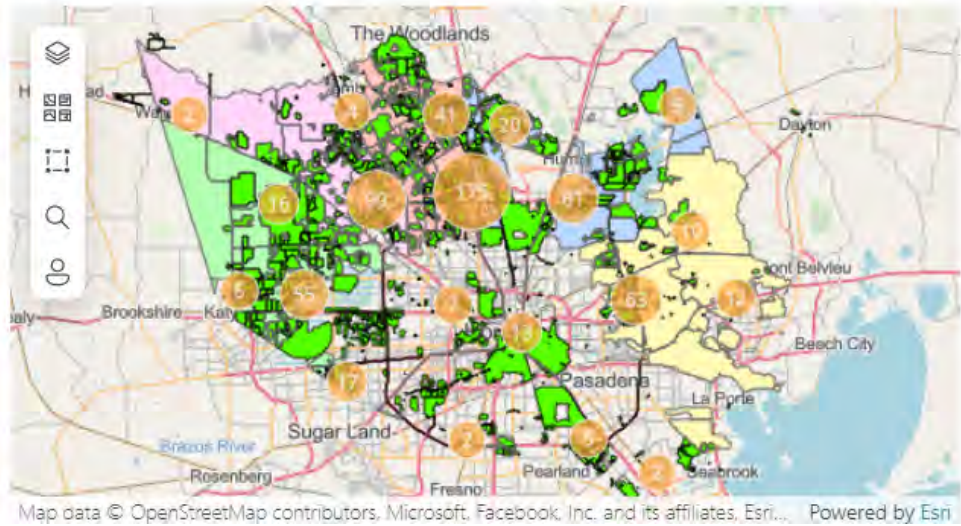
Circumstance	NO	UNK	YES	Total	
UNKNOWN CIRCUMSTANCE	296	15	7	318	
OTHER CIRCUMSTANCES	1	271	6	278	
ARGUMENT/VERBAL THREATS	84	6		90	
NULL	53	3		56	
LOVERS QUARREL	19			19	
DRUG DEALING	15	2		17	
ASSAULT ON LAW ENFORCEMENT	6			6	
GANGS AND			3	3	
Total	1	739	32	14	781

### Total by Premise

Premise	Total
RESIDENCE/HOME	307
HIGHWAY/ROAD/ALLEY	214
PARKING LOT/GARAGE	167
OTHER/UNKNOWN	30
PARK/PLAYGROUND	15
CONVENIENCE STORE	12
RX STORE/DR'S OFFICE/HOSPITAL	12
Total	786

### Total by Month

Year	Total	MOM % CHG	YOY % CHG
November	28	↑ 65%	
December	25	↓ -11%	
2023	299	1%	-10%
January	28	↑ 12%	-3%
February	22	↓ -21%	-24%
March	25	↑ 14%	-39%
April	31	↑ 24%	24%
May	26	↓ -16%	-24%
June	25	↓ -4%	14%
July	21	↓ -16%	-40%
August	25	↑ 19%	19%
September	23	↓ -8%	-15%
October	24	↓ 4%	41%
November	21	↓ -13%	-25%
December	28	↑ 33%	12%
2024	153	-15%	-49%
January	28	↓ 0%	0%
February	18	↓ -36%	-18%
March	21	↑ 17%	-16%
April	24	↑ 14%	-23%
May	22	↓ -8%	-15%
June	15	↓ -32%	-40%
July	23	↑ 53%	10%
August	2	↓ -91%	-92%
Total	785	0%	24%





# HCSO TeleDeputy



Call Date/Time

calltime

9/1/2023

8/9/2024

**26.55K**  
Total TD CFS

**10.22K**  
Total TD Reports

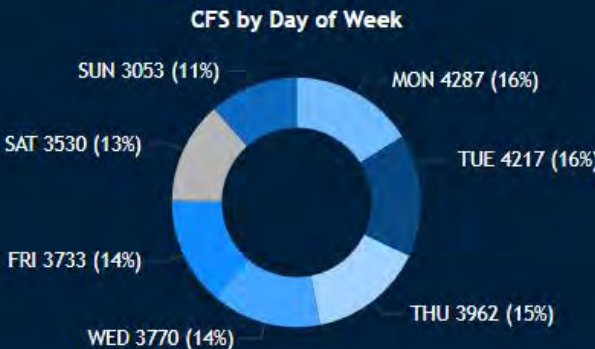
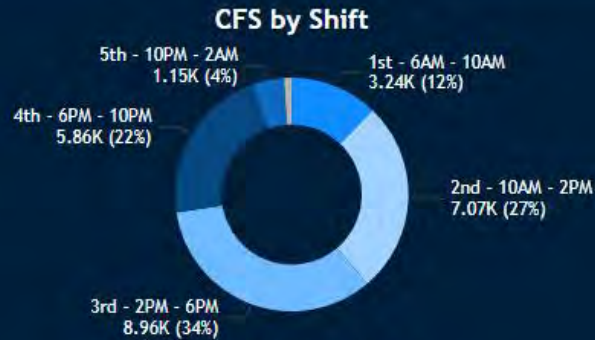


### CFS AVG/Day by Shift

Shift	Total CFS by Day	AVG/Day
1st - 6AM - 10AM	3236	104.39
2nd - 10AM - 2PM	7067	227.97
3rd - 2PM - 6PM	8958	288.97
4th - 6PM - 10PM	5860	189.03
5th - 10PM - 2AM	1152	37.16
Other	279	9.00
<b>Total</b>	<b>26552</b>	<b>856.52</b>

### CFS by Unit & Deputy

Year	2023			
	SEP	OCT	NOV	DEC
name				
				8
	34	18	21	
		17	10	4
	66	34	36	1
	7	6	12	
	89	179	247	29
	10		3	
	21			
	1			
	9			
<b>Total</b>	<b>2649</b>	<b>2802</b>	<b>2420</b>	<b>23</b>



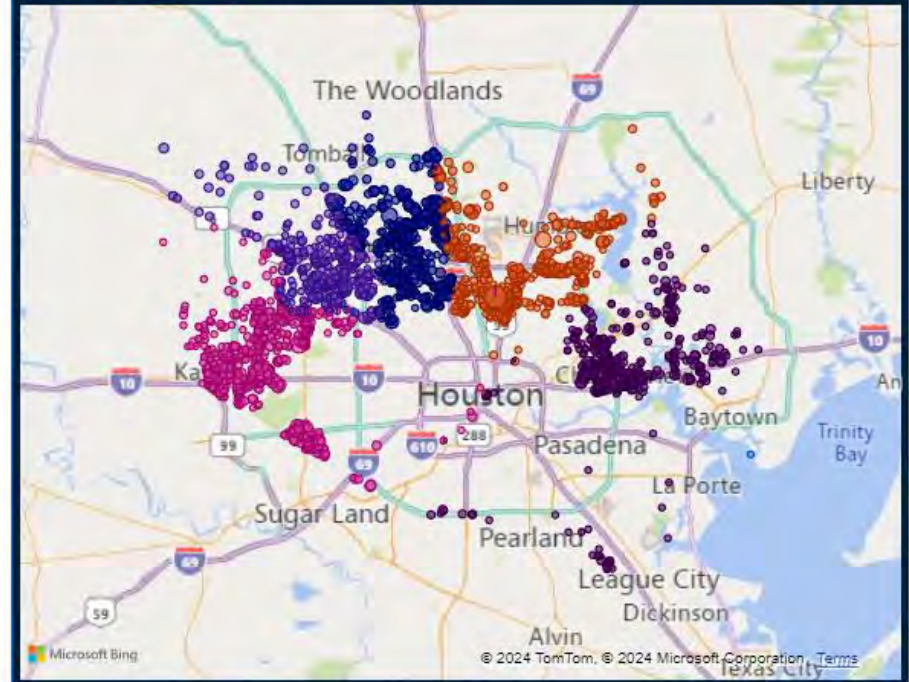
### CFS by Nature

Nature	2023		
	SEP	OCT	NOV
INFORMATION CALL	795	1012	883
MEET THE CITIZEN	338	298	265
VEHICLE STOLEN	234	285	233
BURG MOTOR VEHICLE	224	238	209
THEFT OTHER	217	223	183
ACCIDENT FSGI	121	109	114
CRIMINAL MISCHIEF	101	96	74
THEFT BUSINESS	92	93	53
FRAUDULENT USE ID	78	80	48
PROPERTY FOUND LOST	53	48	55
<b>Total</b>	<b>2649</b>	<b>2802</b>	<b>2420</b>

### CFS by Close Code

Close Code	2023			
	SEP	OCT	NOV	DEC
REP	1129	1100	893	840
INF	713	802	751	686
ADV	518	647	574	630
SPL	132	145	106	117
UNF	95	62	55	54
ARP	9	9	8	7
RTO	10	7	12	11
GOA	20	16	9	3
UTL	5	3	4	9
UTC	9	5	2	5
<b>Total</b>	<b>2649</b>	<b>2802</b>	<b>2420</b>	<b>2366</b>

District: A B C D E





CAD Calls for Service

CAD CFS Car Jackings

RMS Offenses

RMS Juggings

RMS Stolen Firearms

RMS Vehicle Information



# Auto Theft and BMV Calls for Service

**11902**  
Total CFS

This page is displaying all BMV and Vehicle Stolen CAD calls for service as of 1/1/2022.

Clear all slicers

1/1/2023 7/25/2023



### Nature

Click CTRL to select multiple

BURG MOTOR VEHICLE

VEHICLE RECOVERY

VEHICLE STOLEN

### District

Click CTRL to select multiple

A B D

C E

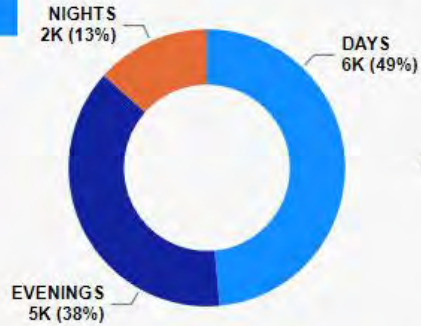
### Agency

Click CTRL to select multiple

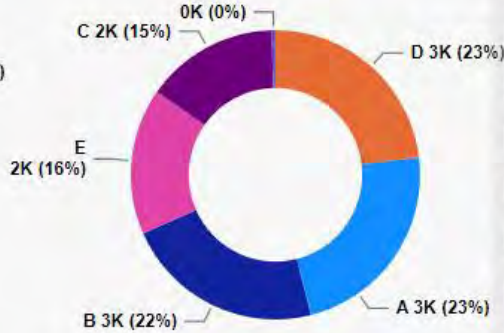
HCC7 HCSO HUMB

HCC8 HOUS

### CFS by Shift



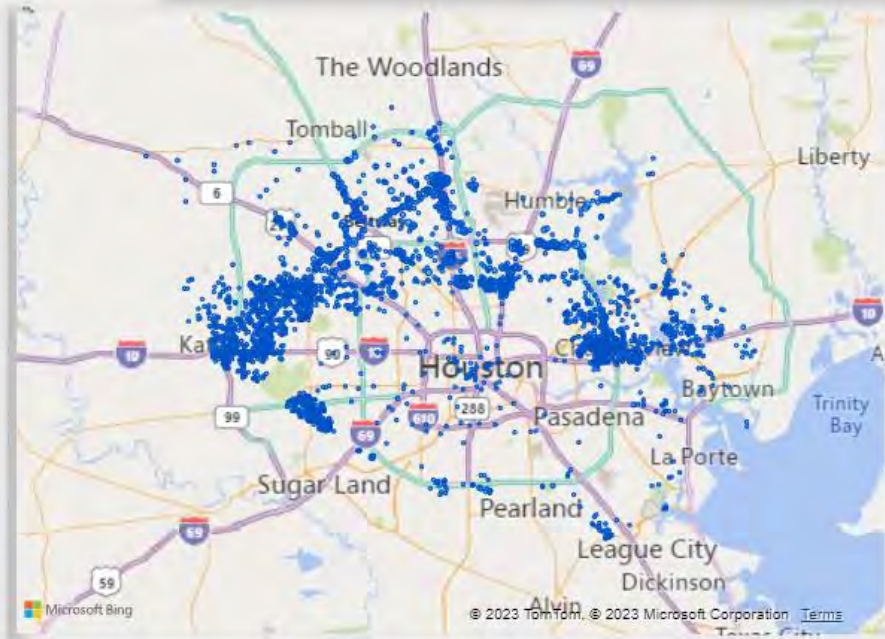
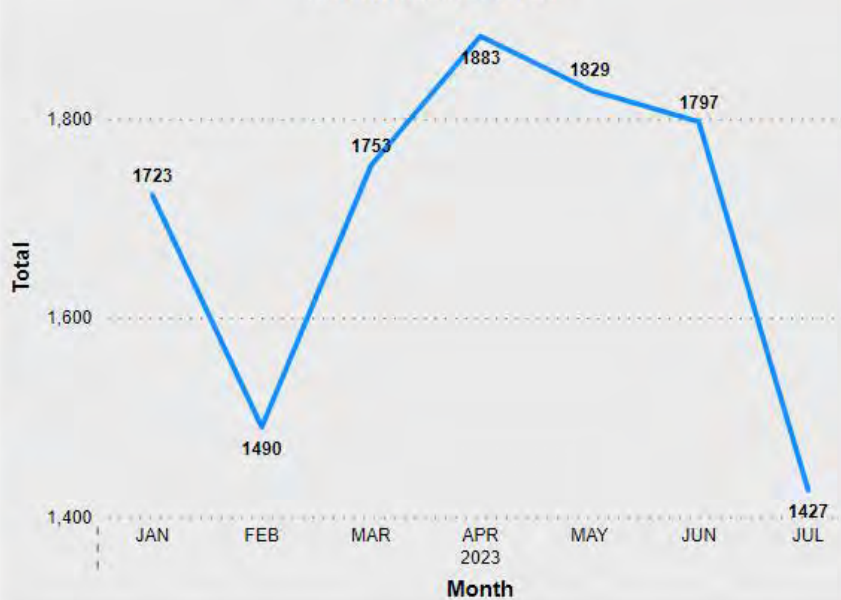
### CFS by District



### CFS by Top Locations

Street	BURG MOTOR VEHICLE	VEHICLE STOLEN
	42	
	8	30
	11	24
	33	
	20	12
	32	
	30	
	8	21
		28
	18	10
	3	24
	26	1
	27	
	24	
	9	15
		24
<b>Total</b>	<b>6538</b>	<b>5364</b>

### Total by Month and Year







# HCSO Stationary Patrol Calls for Service

**12.39K**  
Total CFS

*This page is displaying all Stationary Patrol (812) calls for service retrieved from Computer-Aided Dispatched (CAD). The parameters used to filter this data is Agency = HCSO, nature code = 812 and call date = greater than or equal to 7/31/2022.*

**District**  
(Pick a district)  
All

**Location**  
street

**Call Date**  
8/5/2022  
7/20/2023

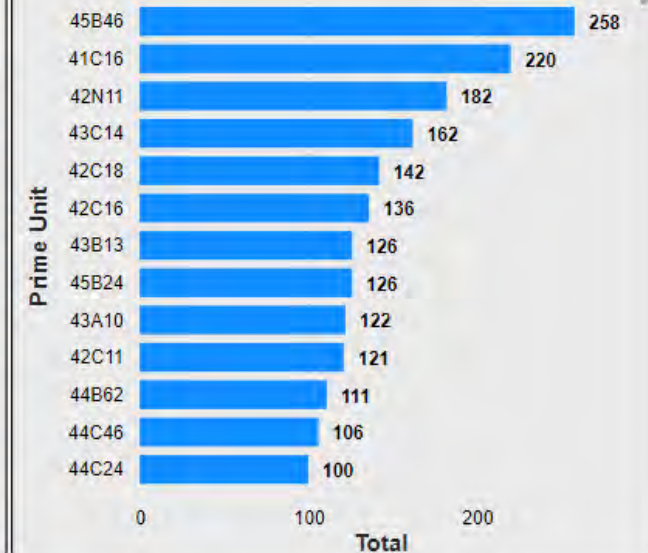
## Stationary Patrol by Location and Month

Location	2022	2023	Total
	516	285	801
	503	274	777
	489	272	761
	488	228	716
	467	207	674
	449	206	655
	394	173	567
	344	136	480
	337	99	436
	282	85	367
	283	40	323
	228	56	284
	221	55	276
	183	52	235
	224		224
	203		203
	150	31	181
	178		178
	104	40	144
	82	56	138
	74	55	129
	119		119
	114		114
	113		113
	69	43	112
	66	40	106
	49	54	103
	41	55	96
	50	43	93
	59	34	93
	35	44	79
	57	20	77
<b>Total</b>	<b>9089</b>	<b>3303</b>	<b>12392</b>

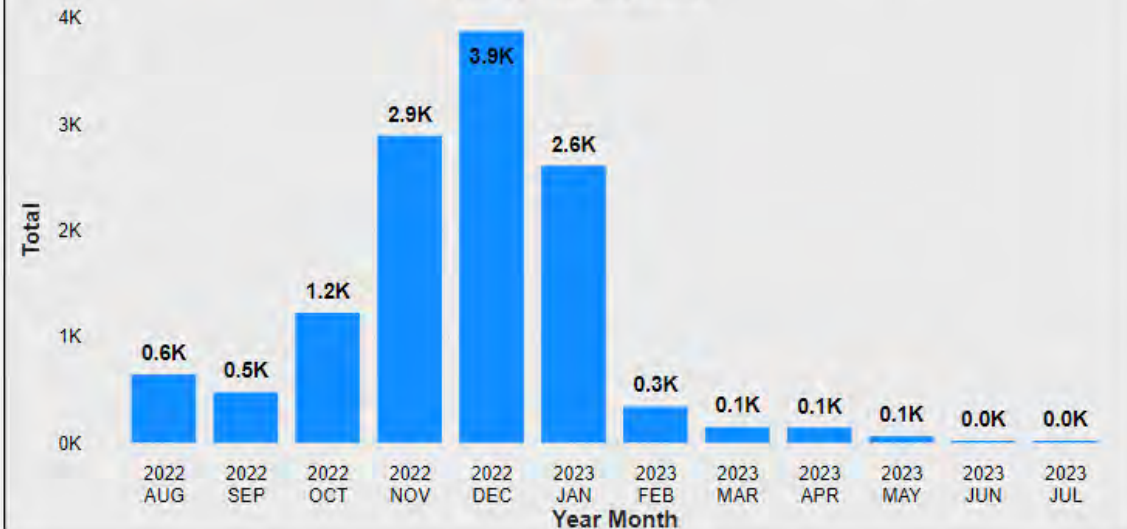
## Total CFS by Close Code and Date

Date	ADV	CIT	FAL	HON	
01/01/2023	3				
01/02/2023	3				
01/03/2023	7			1	
01/04/2023	4			3	
01/05/2023					
01/06/2023					
01/07/2023					
01/08/2023	1				
01/09/2023	11			1	
01/10/2023	6			3	
01/11/2023	6			2	
01/12/2023	7				
01/13/2023	1				
01/14/2023					
01/15/2023	3				
01/16/2023	3				
01/17/2023	11				
<b>Total</b>	<b>2</b>	<b>545</b>	<b>1</b>	<b>5</b>	<b>95</b>

## Total by Prime Unit



## Total by Year and Month





# HOT Identified Homeless Encampments



Type ● Encampment ● Warming Station

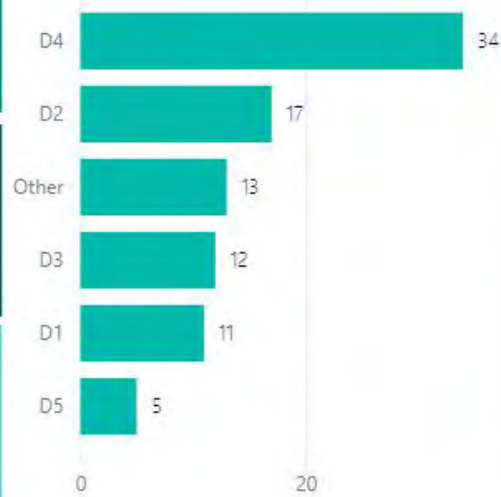
**Methodology:** The visualization of homeless encampments is based on locations provided by the HCSO Homeless Outreach Team. The information is updated manually. The data was joined with zip, and law beat shape files.

## Total by Safety Concern

Safety Concerns	Total
Trespass	43
<Null>	14
Loitering	12
Trip hazards, Possible dogs	4
Dogs	2
Loitering, Trespassing, Dogs	2
Poor visibility due to trees, Possible dogs	2
Abandoned vehicle	1
Alcoholic, Always intoxicated.	1
Animals, Consumer does not like police	1
Animals, Hard to get to safely	1
Broken glass, Nails, Boards	1
Consumers do not like police	1
Dogs, Mental health	1
Dogs, Trash, Broken down vehicles	1
Loitering, Trespass	1



## Camp Count by District

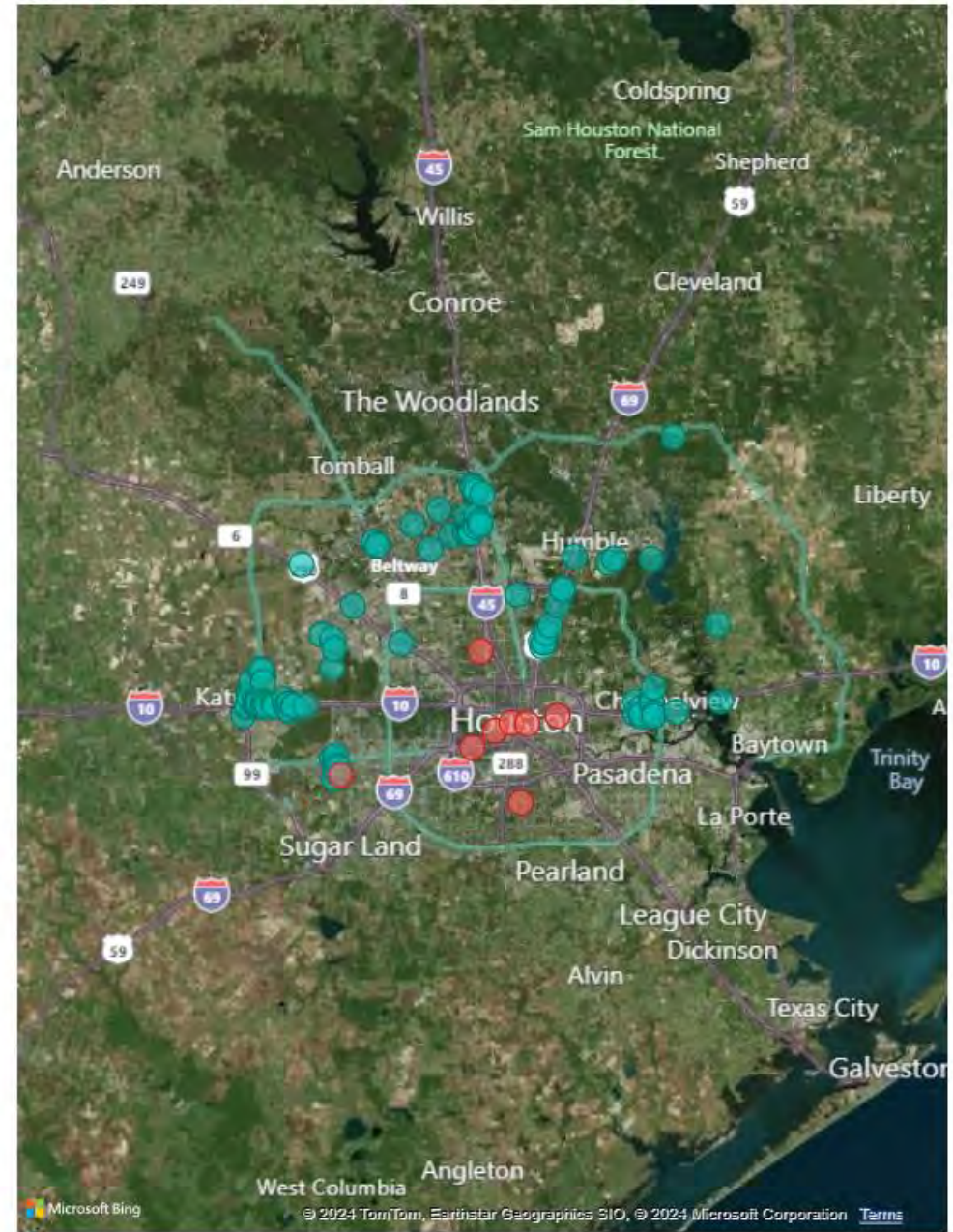


## Total by Zip Code

ZIP	Persons Experiencing Homelessness	Total Encampments
77090	33	7
77015	31	9
77449	16	17
77357	15	1
77093	13	5
77084	8	6
77068	7	2
77083	6	4
77373	6	5
77040	5	1
<b>Total</b>	<b>175</b>	<b>92</b>

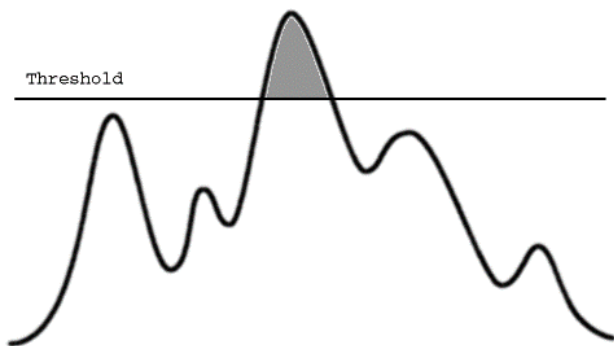
## Warming Stations

Name	Address
Lakewood Church	3700 Southwest Freeway, Houston, TX 77027
Acrs Homes Multi-Service Center	6719 W. Montgomery Rd., Houston, TX 77091
Alief Family YMCA	7850 Howell Sugar Land Rd., Houston, TX 77083
Denver Harbor Multi-Service Center	6402 Market St., Houston, TX 77020
Downtown Recovery Center	150 Chenevert St., Houston, TX 77002
Fonde Community Center	110 Sabine St., Houston, TX 77007
Metropolitan Multi-Service Center at W. Gray	1745 W. Gray St., Houston TX 77019
Sunnyside Health and Multi-Service Center	4410 Reed Rd., Houston, TX 77051



# Threshold Analysis

Threshold analysis is the examination of specific thresholds or trigger points in crime-related data that identifies patterns, trends, and potential areas of concern. This technique involves setting predefined thresholds for certain variables or indicators and monitoring data to detect when those thresholds are exceeded. Threshold analysis can be valuable in crime analysis for various purposes, such as identifying crime hotspots, predicting potential crime incidents, and allocating law enforcement resources effectively.



## Monthly Threshold Analysis

This information is for operational/informational use only and does not represent the official crime event data captured by the Harris County Sheriff's Office. This information is intended for law enforcement only and is not intended to be released to the public as the official crime statistics of the Harris County Sheriff's Office. The Crime Data represents basic/general data of incidents based on the highest offense listed in a particular report and does not reflect the FBI's NIBRS coding system in that lesser included offenses may not be included. The data may or may not have been screened through the Harris County Sheriff's Office records department and therefore may reflect:

- Information not yet verified by further investigation and may include mechanical or human error
- Preliminary crime classifications that may be changed at a later date based upon further investigation.

Date Range: March 2023

Agency: HCSO

District(s): (Blank), District 1, District 2, District 3, District 4, District 5, UNKN (District F)

Beat(s): Multiple Beats

\* Any row highlighted in red indicates that the nature, when comparing it's current month to it's previous month, yielded a fifteen percent or greater increase.

Nature	Mar 2023	Feb 2023	Mar 2022	Mar 2021
911 HANG UP	246	186	339	501
ABDUCTION KIDNAPPING	9	6	8	2
ACCI AIRCRAFT	0	1	0	0
ACCI AUTO PEDESTRIAN	46	46	49	49
ACCI UNK MAJ MINOR	204	183	154	200
ACCIDENT FLEET	34	33	45	38
ACCIDENT FSGI	757	714	777	714
ACCIDENT FSRA	32	42	37	44
ACCIDENT MAJOR	600	577	600	610



# Stationary Patrol

Stationary patrol is a law enforcement and security strategy where deputies are assigned to a fixed location or specific area for a certain period of time to monitor and ensure safety and security. It involves officers remaining at a single location rather than actively patrolling a broader area.

- **Purpose:** The primary purpose is to maintain a visible presence in a particular area, deter criminal activities, and provide quick response if incidents occur. It is especially effective in areas with high foot traffic, vulnerable targets, or known crime hotspots.
- **Deterrence:** The mere presence of uniformed officers or security personnel at a fixed location can act as a deterrent to potential criminals. Criminals may be less likely to engage in unlawful activities when they know that law enforcement or security personnel are nearby.
- **High-Risk Locations:** Stationary patrol is often used in high-risk or sensitive locations such as government buildings, transportation hubs, shopping centers, and entertainment venues where there is a potential for security breaches or criminal incidents.
- **Visibility:** The visibility of officers in a fixed location can enhance public perceptions of safety and security, contributing to a sense of order and well-being.
- **Community Engagement:** Stationary patrol officers have the opportunity to interact with the community members in their assigned area. This engagement can foster positive relationships, enhance community trust in law enforcement, and provide a platform for addressing local concerns.
- **Resource Allocation:** Stationary patrol can be a strategic way to allocate resources. It allows agencies to focus their personnel in areas with high crime rates or security concerns without spreading resources too thinly.
- **Situational Awareness:** Officers stationed at a fixed location have the advantage of gaining a deeper understanding of the local environment and potential risks, which can inform their decision-making and response strategies.



## RMS Violent Crimes Comparison

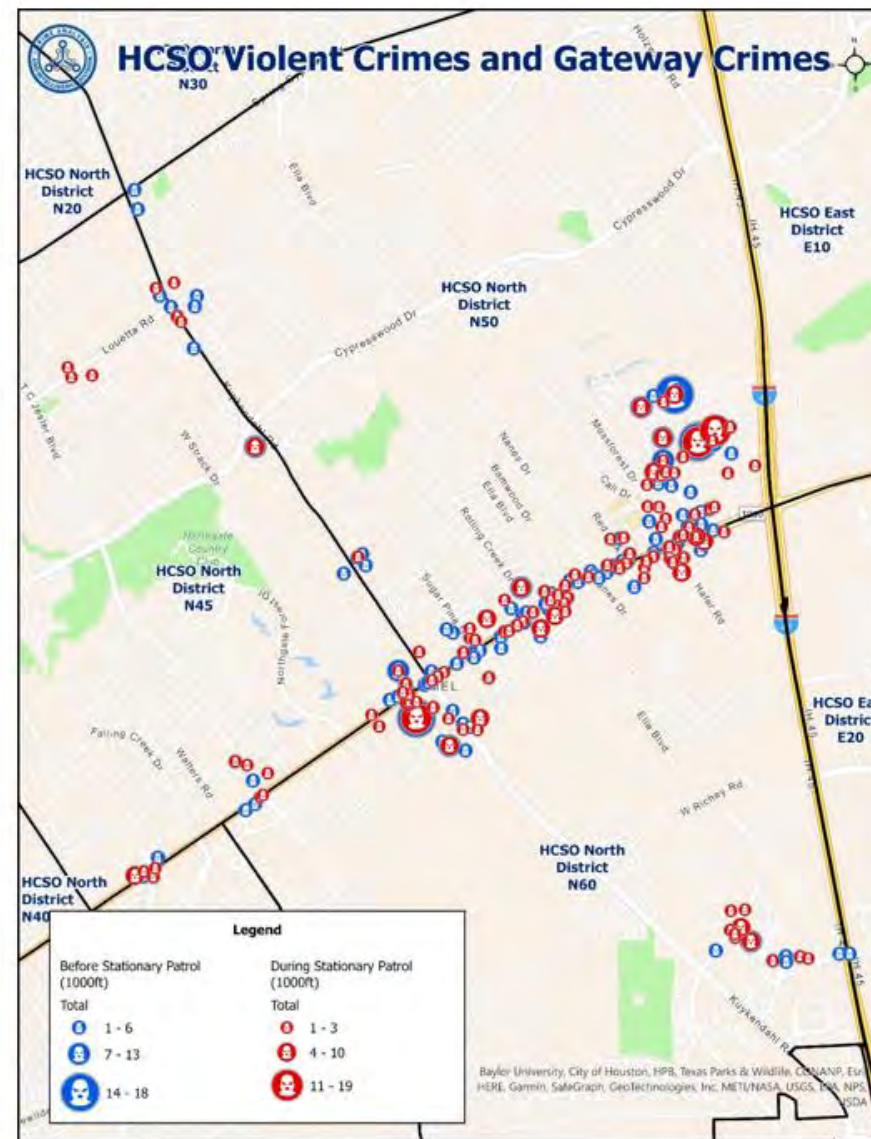
In this section, all violent crimes within 1000 feet of where Stationary Patrol took place have been analyzed.

A **36%** ↓ decrease is seen in violent crimes overall.

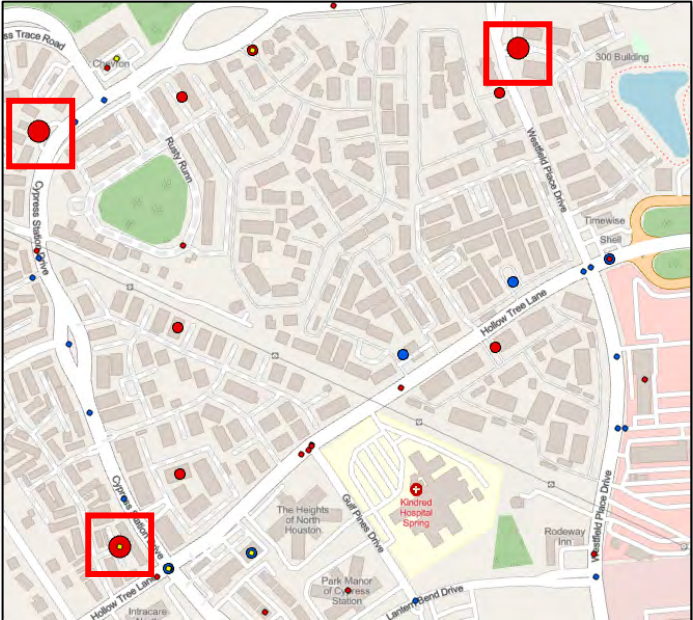
Offense	Before Stationary Patrol	During Stationary Patrol	Total	%CHG
AGG ASSAULT CAUSES SERIOUS BODILY INJ	8	3	11	-63%
AGG ASSAULT FAMILY/HOUSE MEMBER	5	7	12	40%
AGG ROBBERY	9	5	14	-44%
AGG SEXUAL ASSAULT CHILD-RAPE	0	1	1	-
AGGRAVATED ASSAULT	7	6	13	-14%
ASSAULT	23	13	36	-43%
ASSAULT FAMILY/HOUSE MEMBER	41	20	61	-51%
DEADLY CONDUCT	2	0	2	-100%
DISCHARGE OF FIREARM	0	1	1	-
MURDER	4	0	4	-100%
ROBBERY	5	2	7	-60%
SEXUAL ASSAULT	1	0	1	-100%
SEXUAL ASSAULT CHILD-FONDLING	1	0	1	-100%
SEXUAL ASSAULT CHILD-RAPE	0	2	2	-
TERRORISTIC THREAT	13	10	23	-23%
TERRORISTIC THREAT FAMILY	1	7	8	600%
<b>Grand Total</b>	<b>120</b>	<b>77</b>	<b>197</b>	<b>-36%</b>

## RMS Violent Crime and Gateway Crimes Map

The below map is displaying RMS violent crime and gateway crimes within 1000 feet of where stationary patrol took place. This data was then extracted and analyzed in the next two pages.



# Proactive/Targeted Operations





(L/F) 2/20/2022



**Condensed CCH Report**

DOB: [REDACTED]  
 NO TCIC WANT  
 NO NCIC WANT  
 CS 2448825 04/17/2018

READ THE ENTIRE MESSAGE BEFORE TAKING ANY ACTION.



- Last Known Address: 990 [REDACTED]
- Contact #: [REDACTED]
- Gang Affiliation: **59 Piru**
- Alias: Chucky
- Next Court Date: **5/24/2023**
- Facebook: None Found
- TikTok: [REDACTED]
- Instagram: [REDACTED]

Person Involvement(s)

Agency	Offense Number	Involvement	Offense	Date	Beat
HCSO	[REDACTED]	SU	ASSAULT CAUSES BODILY INJ.	8/2/2008	
HCSO	[REDACTED]	SU	EVADING ARREST DETENTION	11/22/2006	
HCSO	[REDACTED]	SU	ASSAULT CAUSES BODILY INJ.	1/30/2010	
HCSO	[REDACTED]	SU	THEFT FROM PERSON	6/22/2010	
HCSO	[REDACTED]	WITNESS	ASSAULT CAUSES BODILY INJ.	2/7/2009	
HCSO	[REDACTED]	VICTIM	AGG ASSAULT CAUSES SERIOUS BODILY INJ.	3/9/2009	
HCSO	[REDACTED]	SU	AGG ASSAULT CAUSES SERIOUS BODILY INJ.	7/4/2009	
HCSO	[REDACTED]	SU	CRIMINAL TRESPASS-W/DEADLY WEAPON	4/17/2010	
HCSO	[REDACTED]	SU	MAN DEL CS PG 1 - 16-44	7/19/2009	
HCSO	[REDACTED]	SU	CRIMINAL TRESPASS IN HABITATION/SUPER FUND SITE	3/4/2009	
HCSO	[REDACTED]	SU	DISCHARGE OF FIREARM	2/4/2010	
HCSO	[REDACTED]	OFFENDER	THEFT >=\$750-\$2,500	1/13/2023	A512
HCSO	[REDACTED]	INVOLVED OTHER	ASSAULT FAMILY/HOUSE MEMBER	5/28/2021	C930





# Tips & Tricks

## Communication is key

- Reach out to investigators, supervisors, and stakeholders to let them know you are available for any assistance
- Also to see if they see what you don't see. They are the boots on the ground and may have knowledge of trends and crimes that are not reported.
- Attend roll calls/meetings
- Ask for feedback

## Presentation is everything

- Use PowerPoint to make your reports and presentations
- Visme/Canva
- ChatGPT
- Peer Review

## Trainings

- IACA, IADLEST, other agencies, state associations
- Internal trainings





## NETWORK!



# CONTACT ME



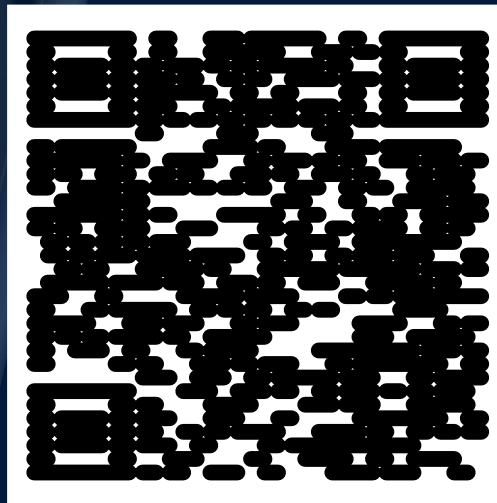
Isis Garcia  
Crime Analyst

 713-274-6246

 isis.garcia@sheriff.hctx.net



Linked In



Bling

