

Memorandum



CITY OF DALLAS

DATE June 7, 2018
TO Honorable Members of the Public Safety and Criminal Justice Committee
SUBJECT **TAAG Update - Assessment and Evaluation**

As part of the Dallas Police Departments strategic plan for 2018, a TAAG assessment and evaluation was done. TAAG stands for "Targeted Area Action Grids". The department began identifying these areas in 2008.

For 2018, the target area action grids were created utilizing new methodology. The new areas are smaller and focused measuring only 1/16th of a square mile. These areas have been identified throughout the city. The new areas were created through an analysis of violent crime, property crime and current indicators, such as the number of gang members and parolees that live in the area. These indicators provide both historical and predictive policing information for the department. The target area action grids provide information to commanders for deployment of resources in the most effective and efficient manner. These tag areas are then broken down by division and further by time of day to allow each patrol division to have an understanding of criminal activity hotspot areas within their division.

By strategically identifying and focusing on these areas, we are able to place officers in the exact locations where the highest numbers of crime are being committed. This information allows us to not only be reactive, but utilize predictive policing strategies to determine when future crime will occur.

The briefing materials are attached for your review.

Please contact me if you have any questions or need additional information.

A handwritten signature in black ink that reads "Jon Fortune".

Jon Fortune
Assistant City Manager

[Attachment]

cc: T.C. Broadnax, City Manager
Larry Casto, City Attorney
Craig D. Kinton, City Auditor
Bilierae Johnson, City Secretary
Daniel F. Solis, Administrative Judge
Kimberly Bizer Tolbert, Chief of Staff to the City Manager
Majed A. Al-Ghafry, Assistant City Manager

Jo M. (Jody) Puckett, Assistant City Manager (Interim)
Joey Zapata, Assistant City Manager
M. Elizabeth Reich, Chief Financial Officer
Nadia Chandler Hardy, Chief of Community Services
Raquel Favela, Chief of Economic Development & Neighborhood Services
Theresa O'Donnell, Chief of Resilience
Directors and Assistant Directors

Dallas Police Department

TAAG Update - Assessment and Evaluation Public Safety & Criminal Justice Committee

June 11, 2018

U. Reneé Hall, Chief of Police
Dallas Police Department
City of Dallas



Overview

- Targeted Action Area Grids History
- Crime Indicators
- TAAG Methodology
- New 2018 TAAGs - Action Plan (Assessment)
- Evaluation



History of the TAAG Areas

- 2008 Violent Crime TAAGs (Completed mid year based on Violent Crime Density)
- 2009 Violent Crime and Property Crime TAAGs (grids 1320x1320)
- 2010 Violent Crime and Property Crime TAAGs (grids 1320x1320)
- 2011 All Crime TAAGs - Added indicators (Public Disorder)
- 2012 All Crime - Adjusted borders to reflect Census blocks
- 2013 All Crime - 54 Areas (primary 27 and secondary 27)
- 2017 All Crime - Top 30 from the 54 TAAGs and adjusted borders
- 2018 All Crime - 31 Areas changed grid size (grids 330x330)



Targeted Action Area Grids (TAAGs)

- Started in 2008, TAAGs were used to highlight where conditions are favorable for crime to occur.
- TAAGs point to the location where there is an increased likelihood of victimization and criminal behavior.
- Currently event and place based indicators, such as arrests, calls for service, crime, and known offender locations are used to indicate crime dense areas.
- Goal:
 - 30 areas
 - About 30 square miles or 7% of the city area
 - 30% of overall crime



Success in TAAG Areas

Since the implementation of TAAG areas we have seen reductions in crime in those areas

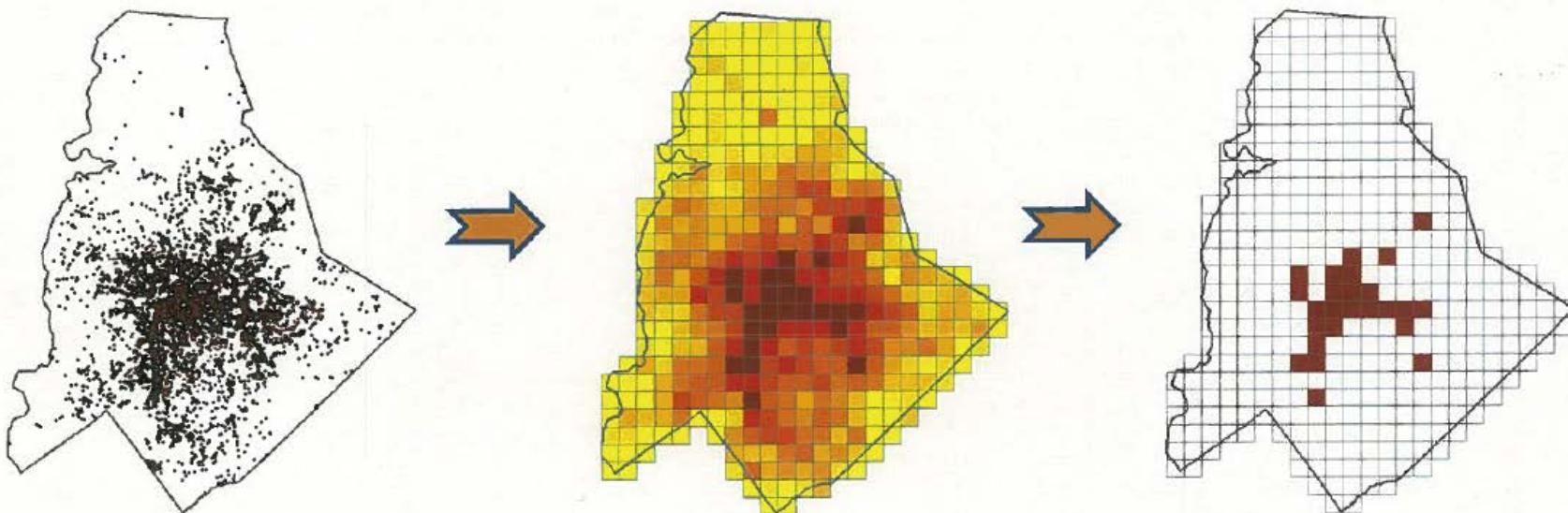
- 2011
 - Overall Crime -11.1%
- 2012
 - Overall Crime -8.7%
- 2013
 - Overall Crime -4.8%
- 2014
 - Overall Crime -11.9%
- 2015
 - Overall Crime -2.5%
- 2016
 - Overall Crime -0.3%
- 2017
 - Overall Crime -6.16%
- 2018 YTD
 - Overall Crime -8.12%



New TAAG Methodology

Provides a more focused target area

- Step 1 Add Crime Points to Mapping Software
- Step 2 Overlay Grid (330x330) and Join Crime Points
 - This allows us to get a count per grid
- Step 3 Extract TAAG area



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Crime Indicators – Event Based

- **Calls:** Shootings, Cuttings, Drug House, Prostitution, Random Gunfire, Prowler, Suspicious Person, “In-Progress Calls”
- **Arrests:** Drugs, Prostitution, Weapons Violation
- **Offenses:**
 - Violent Crime: Murder, Rape, Aggravated Assault, Family Violence and Robbery
 - Property Crime: Burglary, Burglary Motor Vehicle, Other Theft, Auto Theft and Shoplifting



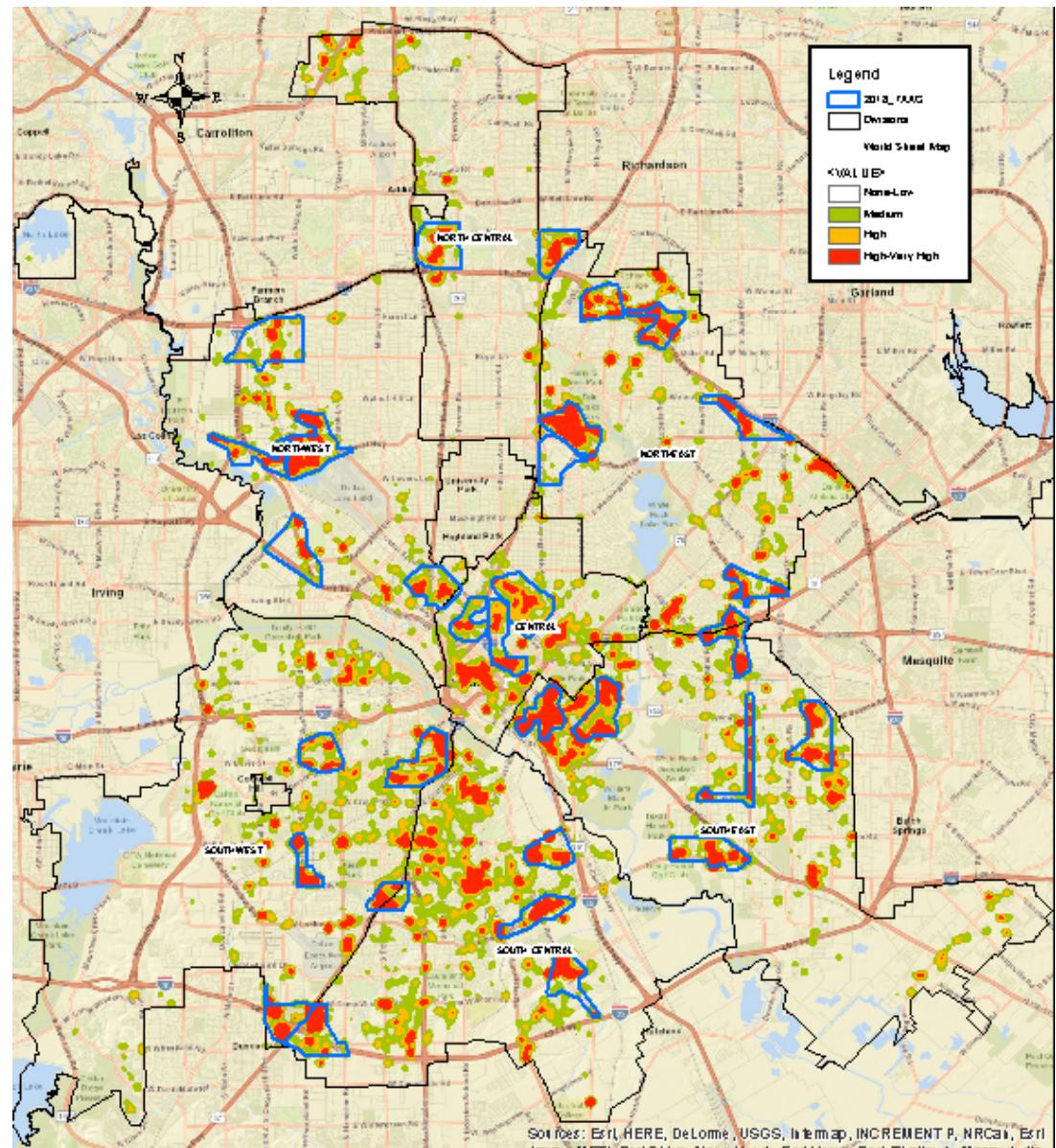
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Crime Indicators – Place Based

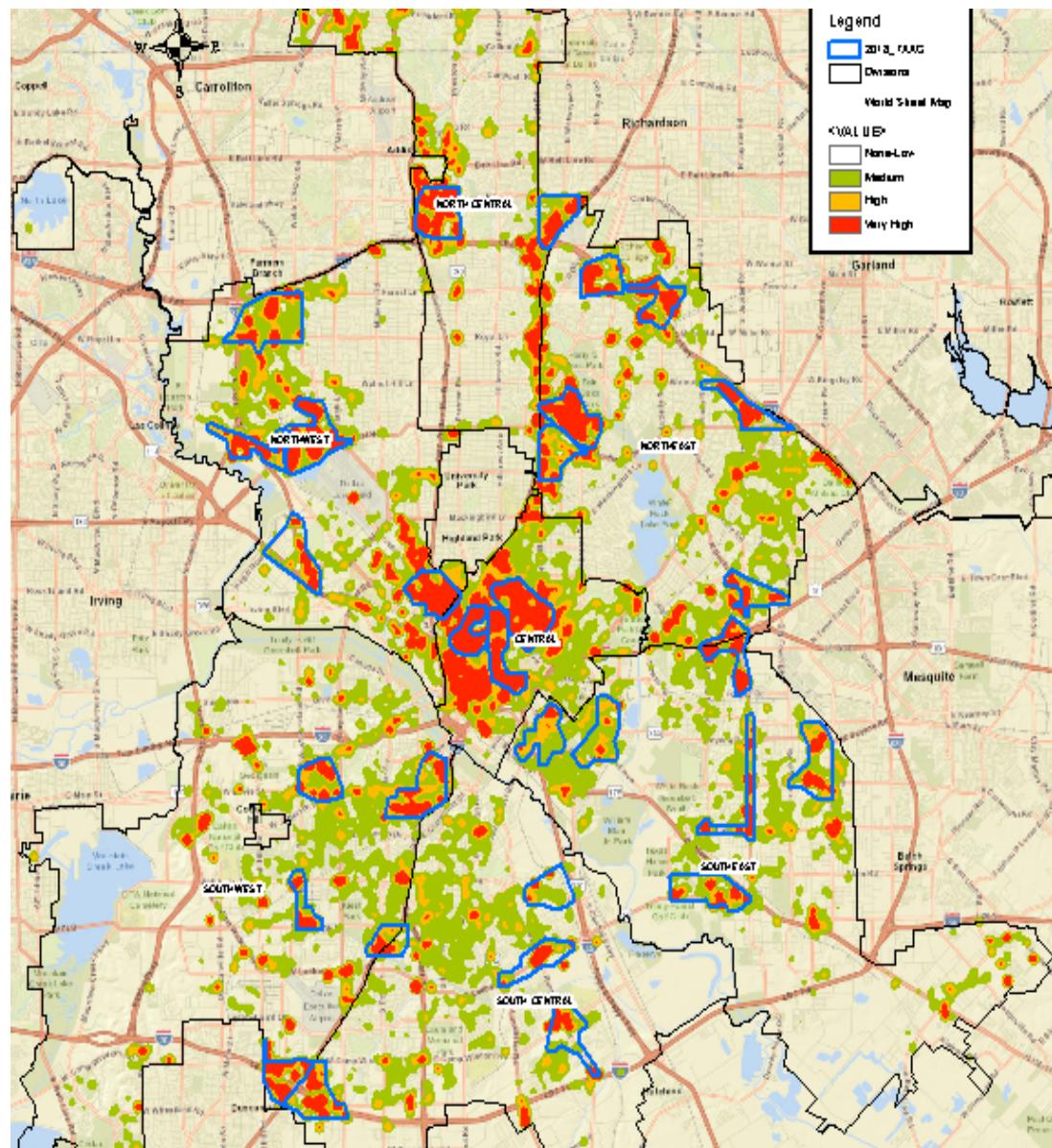
- Gang Members
- Parolees
- Arrestee
 - Burglary Motor Vehicle
 - Robbery
 - Auto Theft
 - Home Addresses



- New 2018 TAAG Areas
- Violent Crime Density

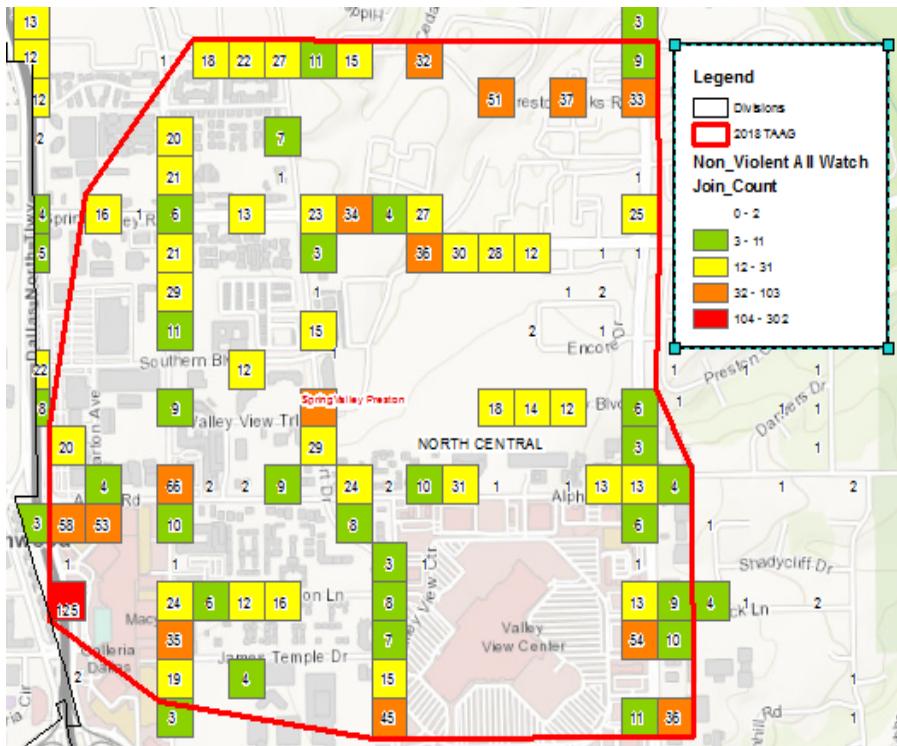


- New 2018 TAAG Areas
 - Non-Violent Crime Density

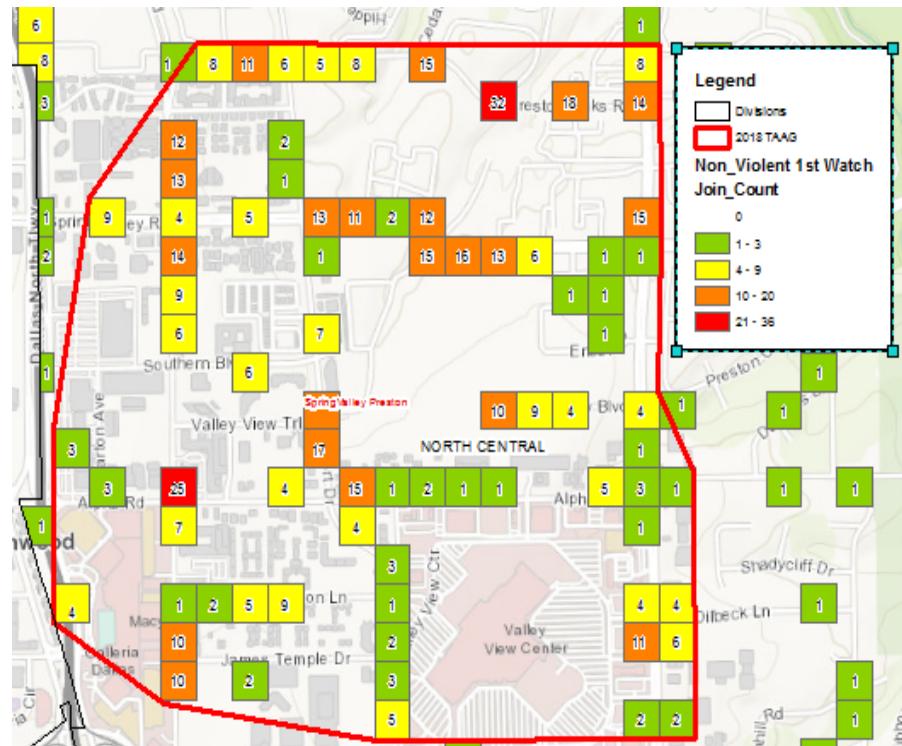


Deployment Strategies

All Watches (All Shifts) Property Crime

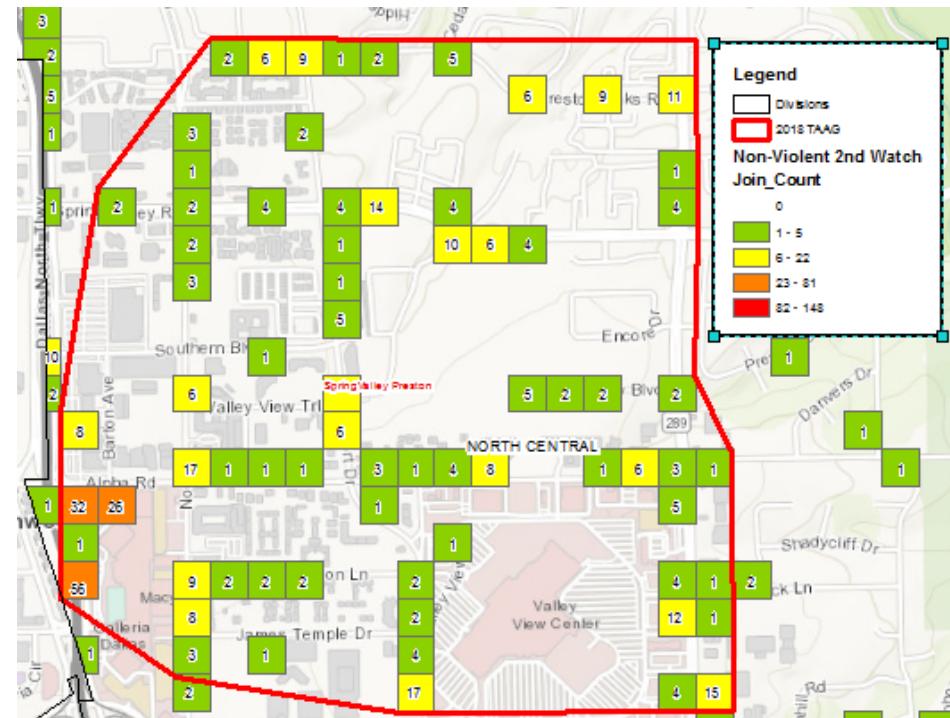


1st Watch (Midnight Shift 12am-8am) Property Crime

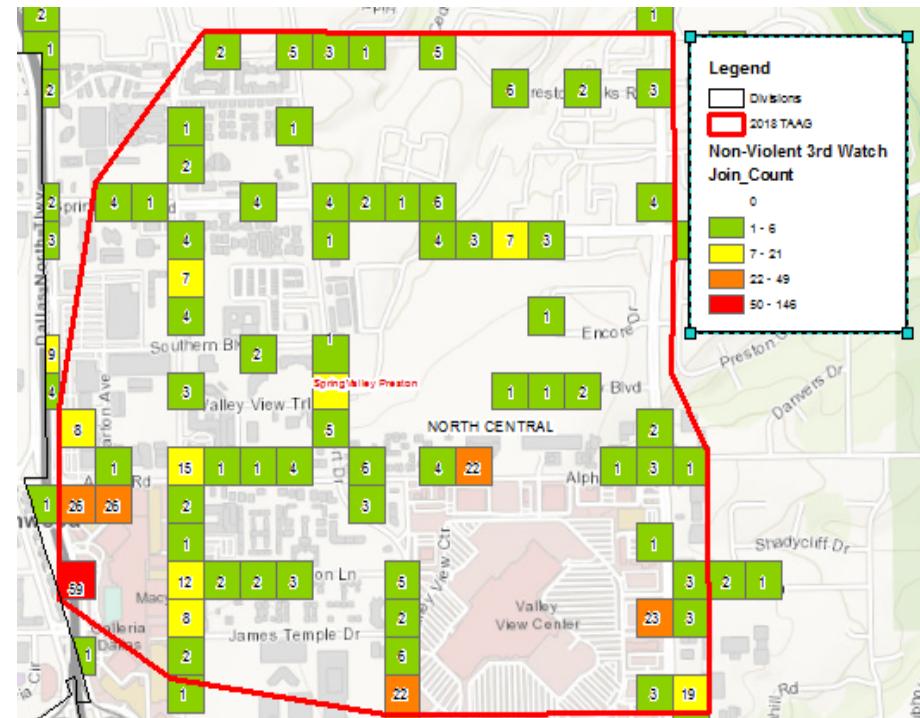


Deployment Strategies

2nd Watch (Day Shift 8am-4pm) Property Crime

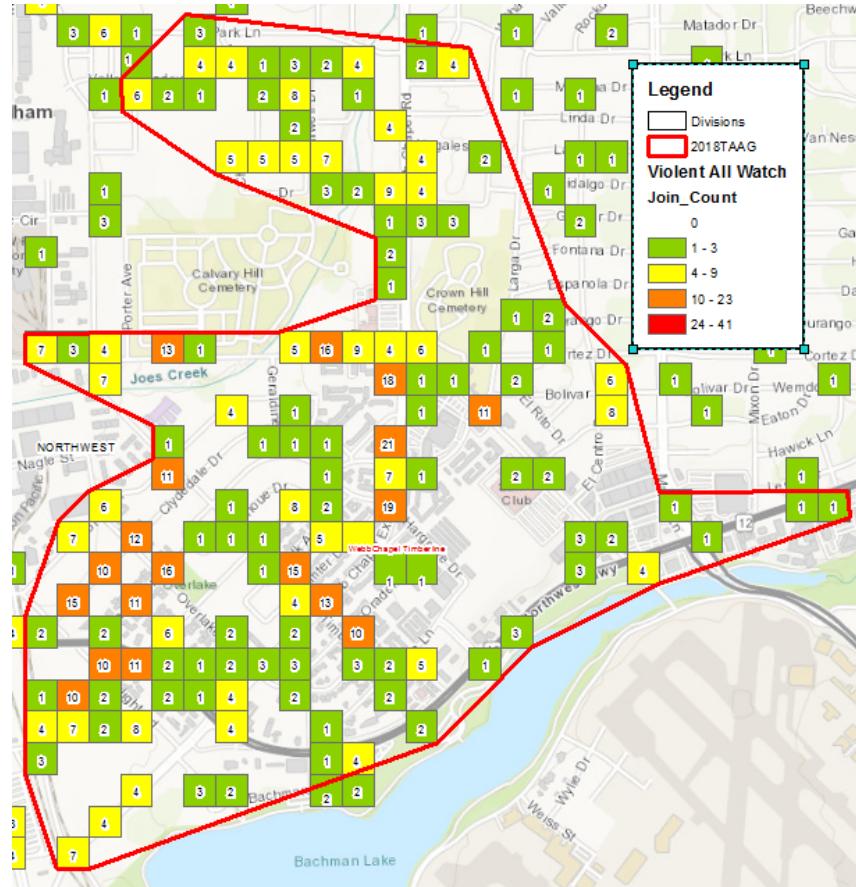


3rd Watch (Evening Shift 4pm-12am) Property Crime

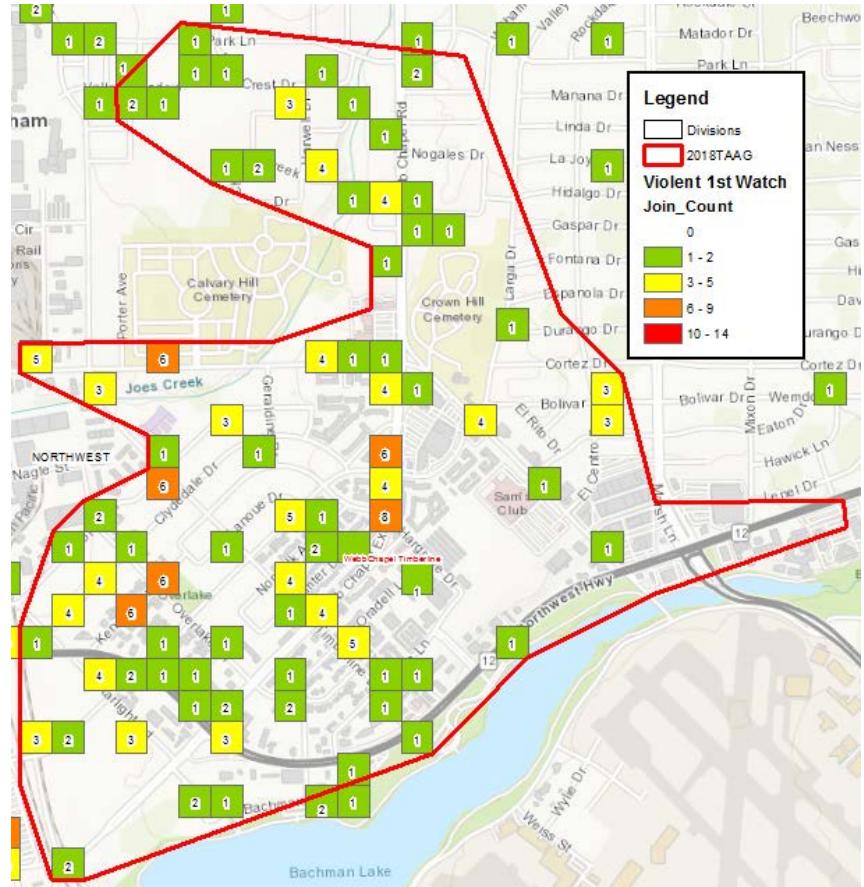


Deployment Strategies

All Watches (All Shifts) Violent Crime

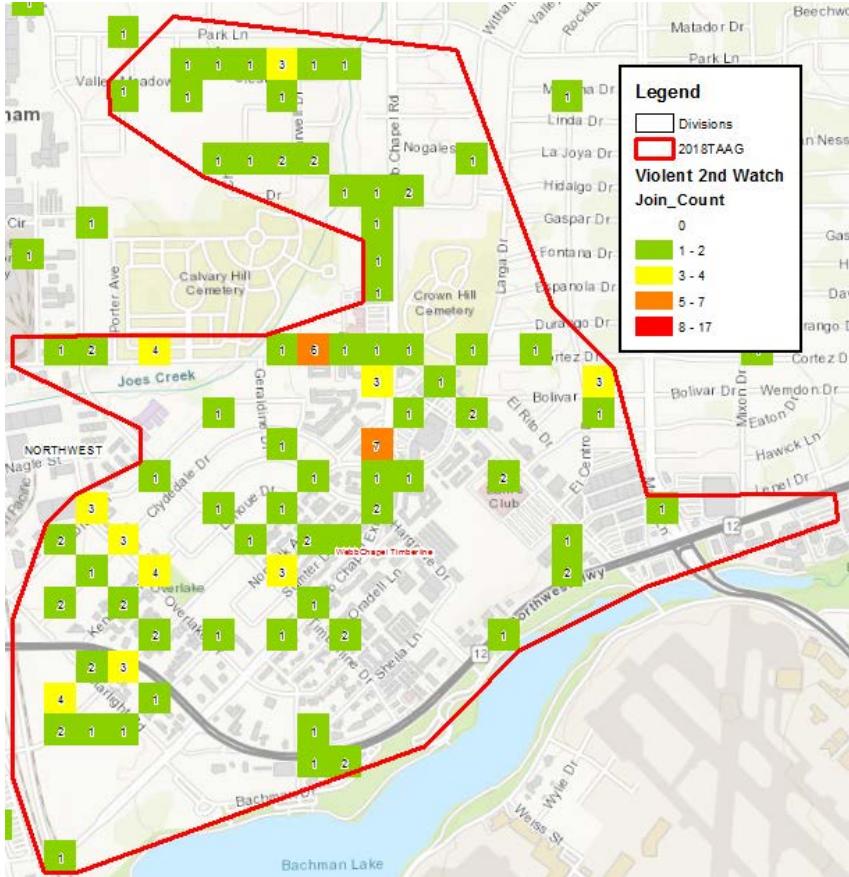


1st Watch (Midnight Shift 12am-8am) Violent Crime

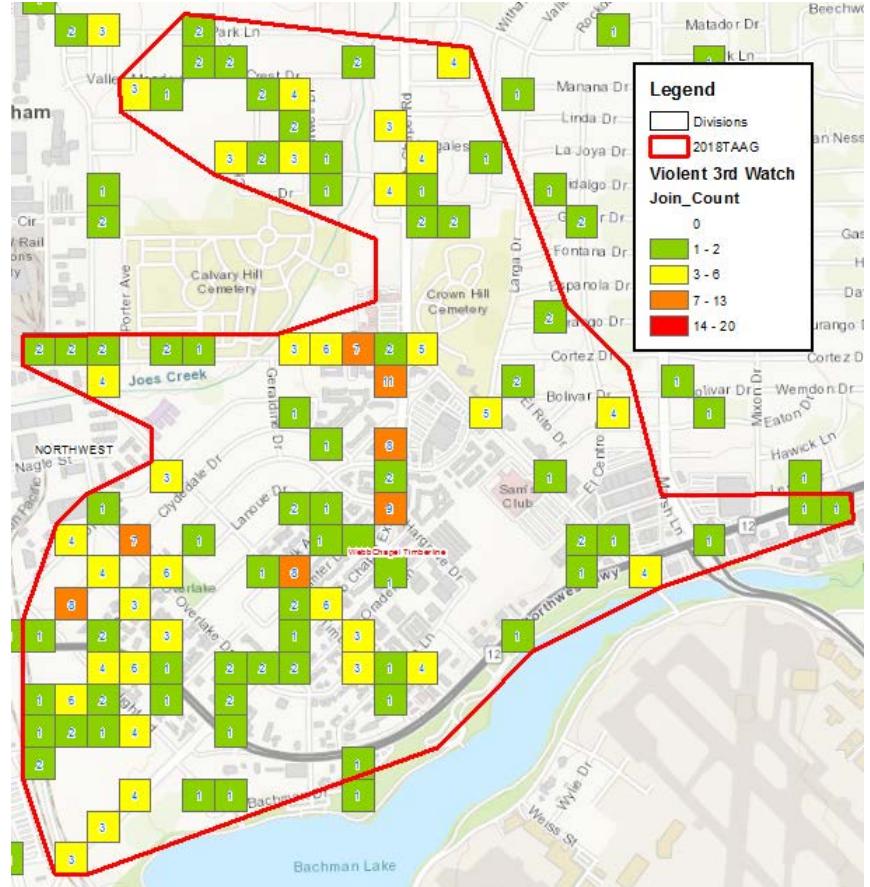


Deployment Strategies

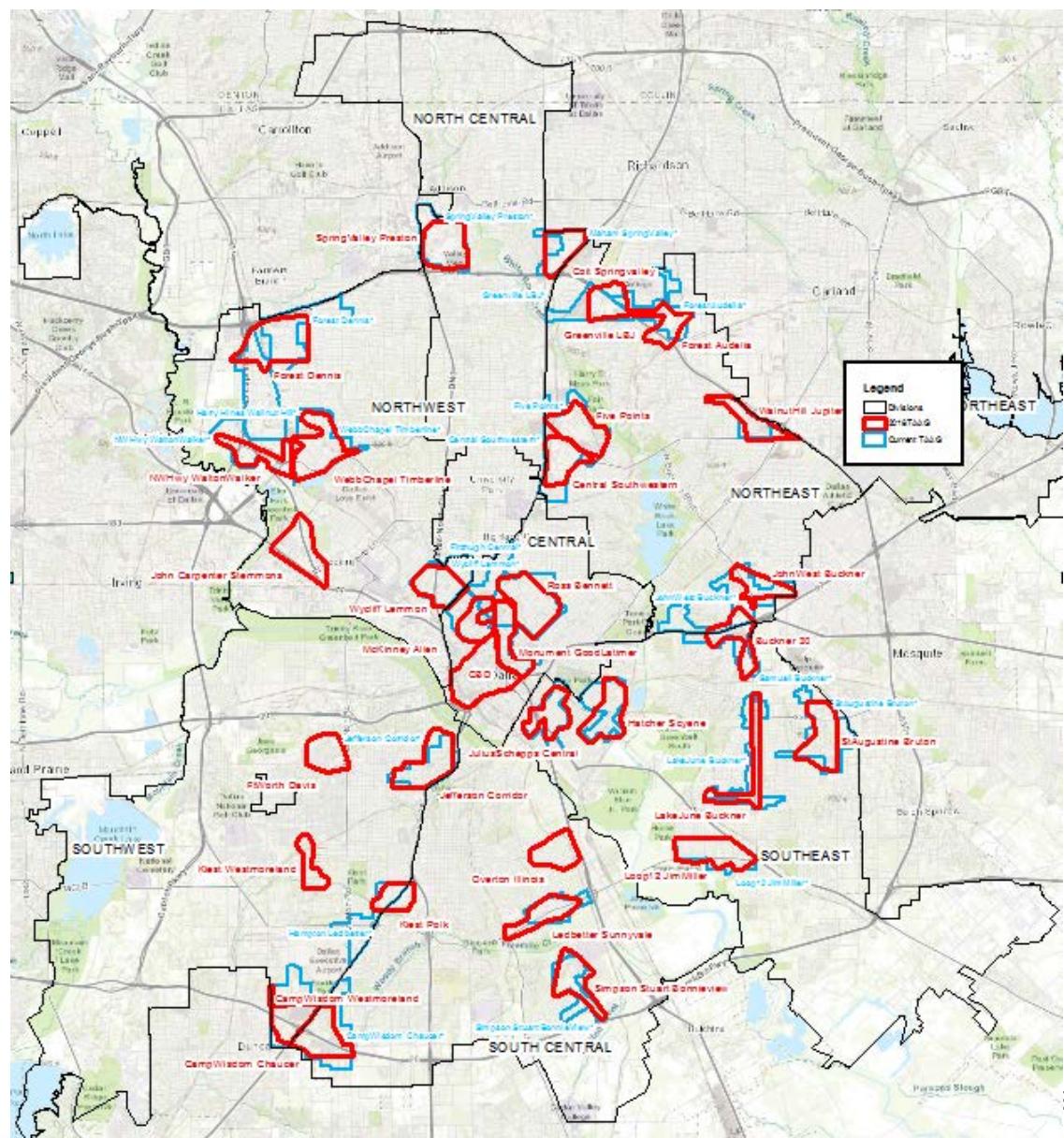
2nd Watch (Day Shift 8am-4pm) Violent Crime



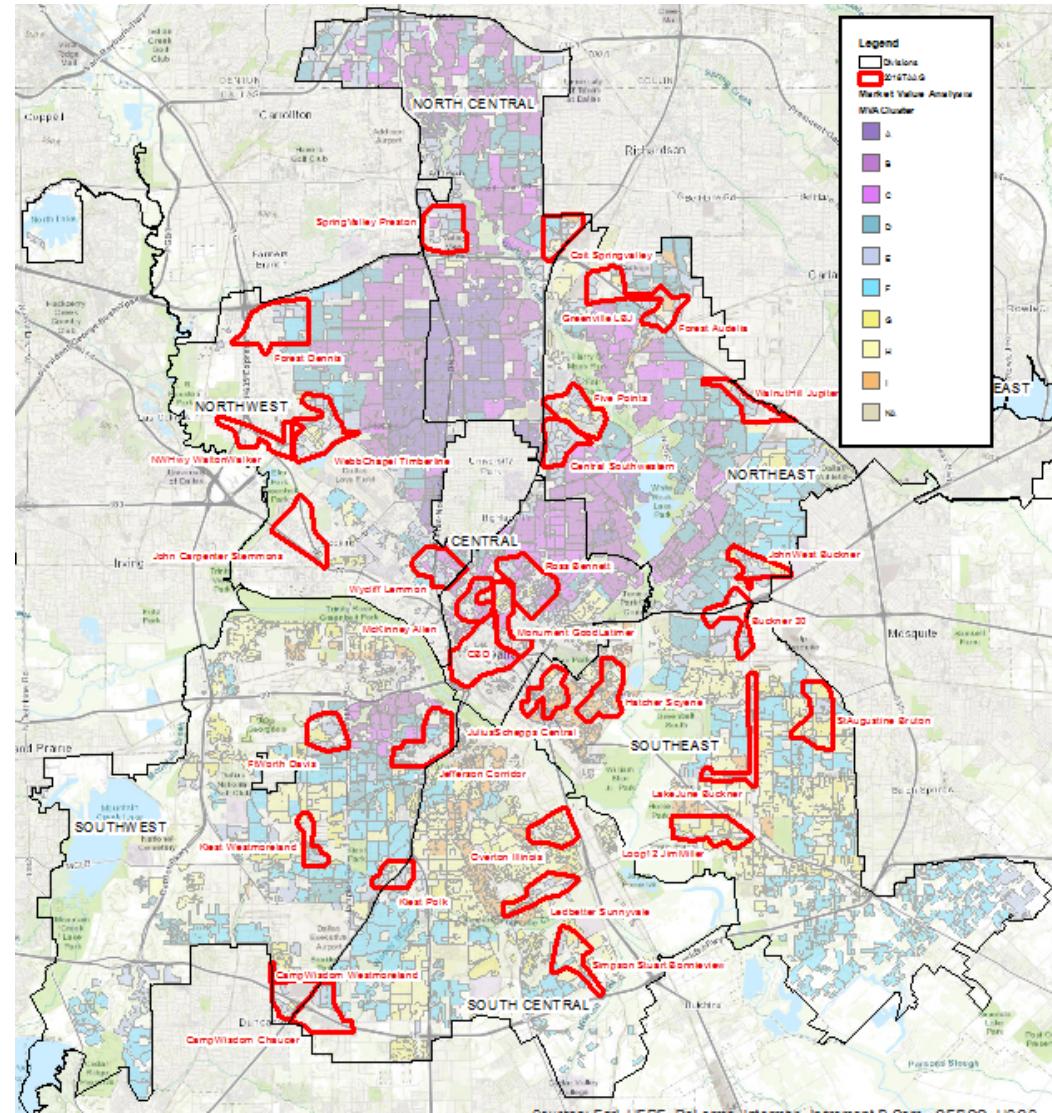
3rd Watch (Evening Shift 4pm-12am) Violent Crime



Overlay of New TAAG Areas



New 2018 TAAG Areas with MVA (Market Value Analysis)



New TAAG Ranking Breakdown

2018 TAAG 31 Areas- 28.15 SqMi- 1288 Crimes per SqMi

Current TAAG 30 Areas- 36.67 SqMi- 1099 Crimes per Sq Mi

| CRIME Count | 2018 TAAG Name | SqMi | CRIME Count | 2018 TAAG Name | SqMi |
|-------------|---------------------------|------|-------------|-------------------------|------|
| 2331 | WebbChapel Timnberline | 0.75 | 1102 | WalnutHill Jupiter | 0.77 |
| 2082 | Five Points | 0.87 | 1084 | Loop12 JimMiller | 0.91 |
| 1956 | Ross Bennett | 0.76 | 1056 | StAugustine Bruton | 0.91 |
| 1614 | Monument GoodLatimer | 0.45 | 989 | Greenville LBJ | 1.37 |
| 1558 | McKinney Allen | 0.77 | 976 | LakeJune Buckner | 0.78 |
| 1514 | SpringValley Preston | 1.18 | 930 | Hatcher Scyene | 0.92 |
| 1461 | Forest Dennis | 0.60 | 911 | JuliusSchepps Central | 1.14 |
| 1425 | Forest Audelia | 0.78 | 901 | JohnWest Buckner | 1.17 |
| 1379 | Wycliff Lemmon | 1.15 | 851 | Coit Springvalley | 0.89 |
| 1317 | Jefferson Corridor | 1.04 | 850 | Ledbetter Sunnyvale | 0.77 |
| 1291 | Buckner 30 | 0.84 | 833 | John Carpenter Stemmons | 0.83 |
| 1204 | CampWisdom Chaucer | 0.70 | 817 | FtWorth Davis | 1.05 |
| 1151 | Simpson Stuart Bonnieview | 0.59 | 721 | Central Southwestern | 0.77 |
| 1135 | CampWisdom Westmoreland | 1.22 | 576 | Overton Illinois | 1.36 |
| 1125 | NWHwy WaltonWalker | 1.34 | 566 | Kiest Westmoreland | 0.36 |
| | | | 557 | Kiest Polk | 1.11 |



New TAAG Areas Assessment – Action Plan

- The new TAAG areas will assist in strategic decision-making and tactical action by showing where conditions are favorable for crime to occur in the future.
- Assessment will highlight action plan needs
 - Crime Watches
 - Neighborhood Associations/ Homeowner's Associations
 - Multi-family Communities (Apartments, Townhomes, Condos)
 - Hospitals
 - Schools/Daycares
 - Churches
 - Parks & Recreation Centers
 - Dart Rail Stations and Bus Stops
 - Camera/LPR locations



Evaluation

- Reports
 - Daily TAAG reports
 - Weekly TAAG reports
 - Maps
 - Weekly YTD Crime Density
- ❖ *End of Year reports and reviews will be done to determine boundaries of TAAG areas annually*



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