Tacoma Violent Crime Reduction Project
Period 1 Results

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Project Background

Drawing from a substantial body of research on the positive impact that hot spots policing can have on reducing violence, this plan includes three components:

1. A near term strategy meant to substantially increase police visibility at addresses where violent crime is concentrated and prioritizing street-level deterrence in these areas.

2. A mid term strategy focused on violent places within the city using a Problem-Oriented, Place-Based Policing approach.

3. A longer term strategy that will utilize a Focused Deterrence strategy to help break the cycle of violence among the small number of repeat and high-risk offenders who are responsible for committing most of the violent crime in Tacoma.
Hot Spots Policing Strategy

Beginning in early July, TPD began executing its near-term, hot spots policing strategy:

• Focused on violence-prone addresses by increasing police visibility at or near those locations to deter violent offenders.

• Goal: Drive down violent crime in and around these areas thereby impacting crime levels within larger geographical areas (e.g., patrol sectors)
Treatment Methodology

• Violent street crime analysis:
  • Murder/non-negligent manslaughter
  • Robbery (individual or business)
  • Aggravated assault (not including family violence)

• Incidents with multiple offenses (e.g., a murder and a robbery) or multiple victims (three individuals assaulted) were counted as a single incident for the purposes of identifying hot spots and in the subsequent analyses
Treatment Design

• Period 1 hot spot treatment: **July 6 - October 5, 2022**

• Based on data analysis, 16 addresses were identified as treatment locations based on crime patterns over the previous 90 days and/or 12 months

• Each of these locations were analyzed for temporal patterns of highest risk for violent crime
  - Peak crime hours/days of the week were identified for each location

• Officers were dispatched to each location during high risk hours

• During these high risk hours, officers were instructed to be within sight of the hot spot address for least 15 minutes with all vehicle lights illuminated
  - Otherwise, addresses received normal patrol and/or response to calls for service
Analyses Plan

1. Fidelity: Alignment between expected and actual treatment

2. Year to year violent crime comparison
   - Pre-treatment period of last year vs. pre-treatment period of current year: April 6, 2021-July 5, 2021 vs. April 6, 2022-July 5, 2022
   - Treatment period of last year vs. treatment period of current year: July 6, 2021-October 5, 2021 vs. July 6, 2022-October 5, 2022

3. P1 violent crime activity vs. previous 12 months
   - Treatment locations, catchment areas, and city-wide; also by police sector
   - Catchment areas: 1,000 ft buffer zones around the treatment location used to check for crime displacement or diffusion of benefits
Results

- Fidelity: Alignment between expected and actual treatment
- Officers were dispatched to treatment locations at specific days and times
- At least one officer was present at the treatment location within the proscribed hour in **91.8%** of all expected times
- Officers spent an average of 18:34 at these locations

<table>
<thead>
<tr>
<th></th>
<th>Expected Treatment</th>
<th>Single Officer Dispatches</th>
<th>Single Officer Treatment</th>
<th>% Missing Dispatches</th>
<th>Excessive Officer Treatment</th>
<th>Average Time On Scene</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1 Fidelity Totals</td>
<td>7650</td>
<td>7026</td>
<td>91.8%</td>
<td>-8.2%</td>
<td>11.2%</td>
<td>0:18:34</td>
</tr>
</tbody>
</table>
Results

Year to Year Comparison of Average Monthly Violent Crime Incidents
(April 6, 2021-October 5, 2021 vs. April 6, 2022-October 5, 2022)

Average Monthly Violent Crime Incidents

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Monthly Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 6 - July 5 2021 Monthly Average</td>
<td>7.7</td>
</tr>
<tr>
<td>July 6 - October 5 2021 Monthly Average</td>
<td>11.7</td>
</tr>
<tr>
<td>April 6 - July 5 2022 Monthly Average</td>
<td>16.3</td>
</tr>
<tr>
<td>July 6 - October 5 2022 Monthly Average</td>
<td>10.3</td>
</tr>
</tbody>
</table>
Violent Crime Incidents Per Month (July 6 2021 - October 5 2022):
Treatment & Catchment Locations
Treatment period appears in BOLD

- All Treatment Locations
- Catchment Locations
Average Monthly Violent Crime Changes:
% Change Previous 12 Months vs. Treatment Months

- City-Wide: -19.8%
- All Treatment Locations: -16.3%
- Catchment Locations: -30.3%
- Treated Locations: -42.0%
- Murder: 33.3%
- Robbery (Ind.): 5.3%
- Robbery (Bus.): -46.1%
- AA-NFV: -27.8%

Legend:
- % Crime Increase (Previous 12 months vs. treatment)
- % Crime Decrease (Previous 12 months vs. treatment)
Sector Average Monthly Violent Crime Changes in Treatment and Catchment Locations:
Incident & % Change Previous 12 Months vs. Treatment Months

Treatment Locations Crime Decrease
Catchment Locations Crime Decrease
Treatment Location % Crime Decrease
Catchment Locations % Crime Decrease

Sector 1
Sector 2
Sector 3
Sector 4

Crime incidents

% Incident Change

-6 -4 -2 0 2 4 6

-90% -70% -50% -30% -10% 10% 30% 50% 70% 90%

Axis Title
Conclusion

• Violent crime was down 37% in the treated locations compared to the previous 3 months and was 12% lower than last year during the same time period

• Violent crime dropped from 10-78% at treatment locations depending upon sector when compared to prior year monthly averages
  • Catchment areas also consistently benefited from the strategy: crime down 45-56%
  • No evidence of displacement

• Crime fell in every sector of the city at the treated addresses, in the surrounding catchment areas, and in all other areas of the sectors

• Fidelity to the treatment plan was excellent at 92%

• Next steps
  • Period 2 hot spots is underway
  • Preparation for POPBP is dependent on police and city resources but can begin anytime after Period 2
Questions?

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