Get Curious: Diving Into Police Data

Samantha Scott, Crime Analyst
Madison Charman, Researcher

research@barriepolice.ca | BarriePolice.ca

What Questions Do You Ask?

- What are our calls for service?
- What is the crime rate?
- What is our clearance rate?
- What are the most common calls for service or crimes?

How About These?

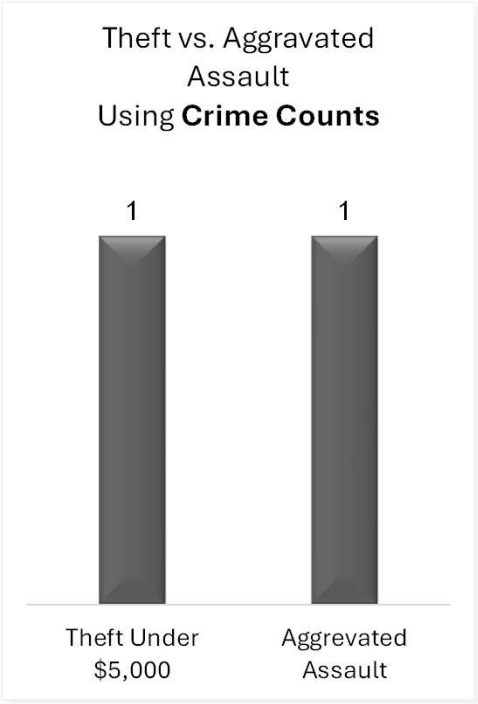
- Why are we deployed this way? Is this effective? How are we measuring success and what is the data telling us?
- Why are we working this schedule? Does it correspond to the needs of the community?
- Why are police going to these calls? Do they have any criminal outcomes?
- How many of our high harm offenders were previously victims of crime? What are some effective upstream supports?
- Are they dangerous and harmful, or do they just take up a lot of police resource time?
- Do ‘occurrence addresses’ reflect or overlook activity patterns within a community?

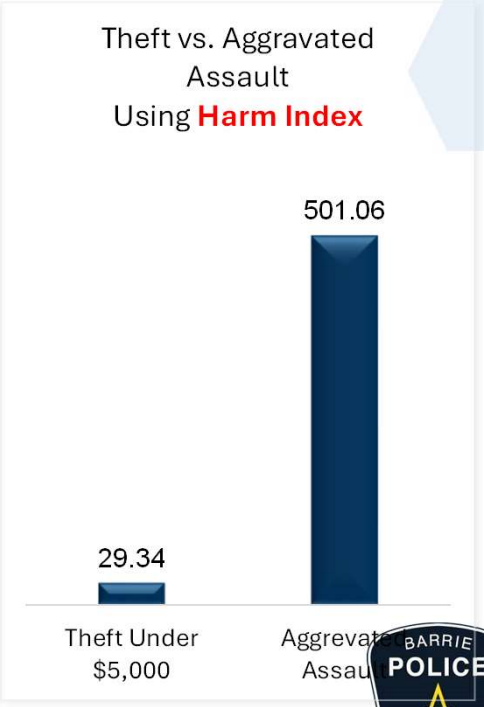
Measuring Police Activity

Harm Refresher

Canada's National Crime Severity Index - Sample

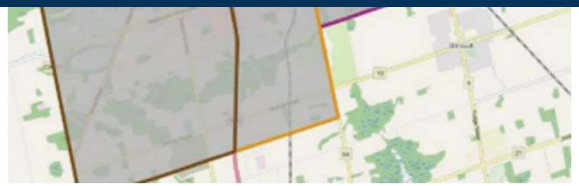
Offence	Weight (Days in Prison)
Murder 1st degree	8,273.62
Attempted murder	1,961.04
Impaired operation - causing death	1,045.82
Human Trafficking	864.92
Sexual Exploitation	629.40
Assault - level 3 - aggravated	501.06
Robbery	469.52
Impeding Attempt to Save Life	326.40
Fraud	88.56
Identity Theft	81.60
Theft $5,000 or under	29.34
Mischief	27.00
Fail to appear	12.63
Disturb the peace	11.93





Why Are We Deployed This Way?

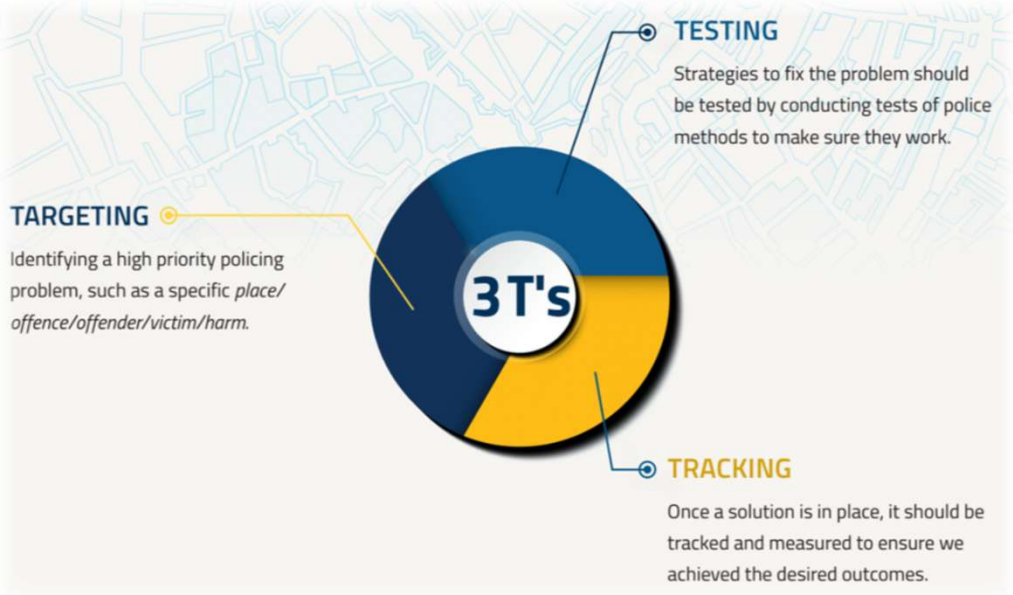
- 20% of harm occurred at 0.06% of addresses
- 20% all harm was caused by 1.6% offenders



Traditional Zone Policing

Crime Harm
Community Reported

Why Are We Deployed This Way?



Why Are We Deployed This Way?

- Average Crime Harm Decreased 48%
- Average Crime Count Decreased 42%
- Average Calls for Service Decreased 15%

Why Are We Working This Schedule?

Why Are Police Going To These Calls?

- Most calls are social disorder related
- 11% of calls are criminal
- 23.8% emergency calls

Harm Drivers	Volume Drivers
Break & Enter	Police Assistance
Fraud	Unwanted Person
Robbery	Ambulance Assist
Sexual Assault (1)	Police Information
Theft Under $5,000	Domestic Dispute

Why Are Police Going To These Calls?

1,414 Mental Health Calls in 2024

- 94% were resolved without the identification of a criminal offense
- Only 18 occurrences (1.27%) resulted in criminal charges or recommended charges
- Only 1% of the mental health calls were considered priority 0, meaning there was a significant safety concern

Why Are Police Going To These Calls?

MHA Persons

- 4% of individuals involved in mental health calls were linked to 20% of total MHA calls, suggesting significant overrepresentation by a small group.
- 19% were criminally charged in the six months prior to their first 2024 mental health occurrence
- 103 individuals (14%) were criminally charged in the six months following that occurrence.
- Charges: Assault, FTC, mischief, threats

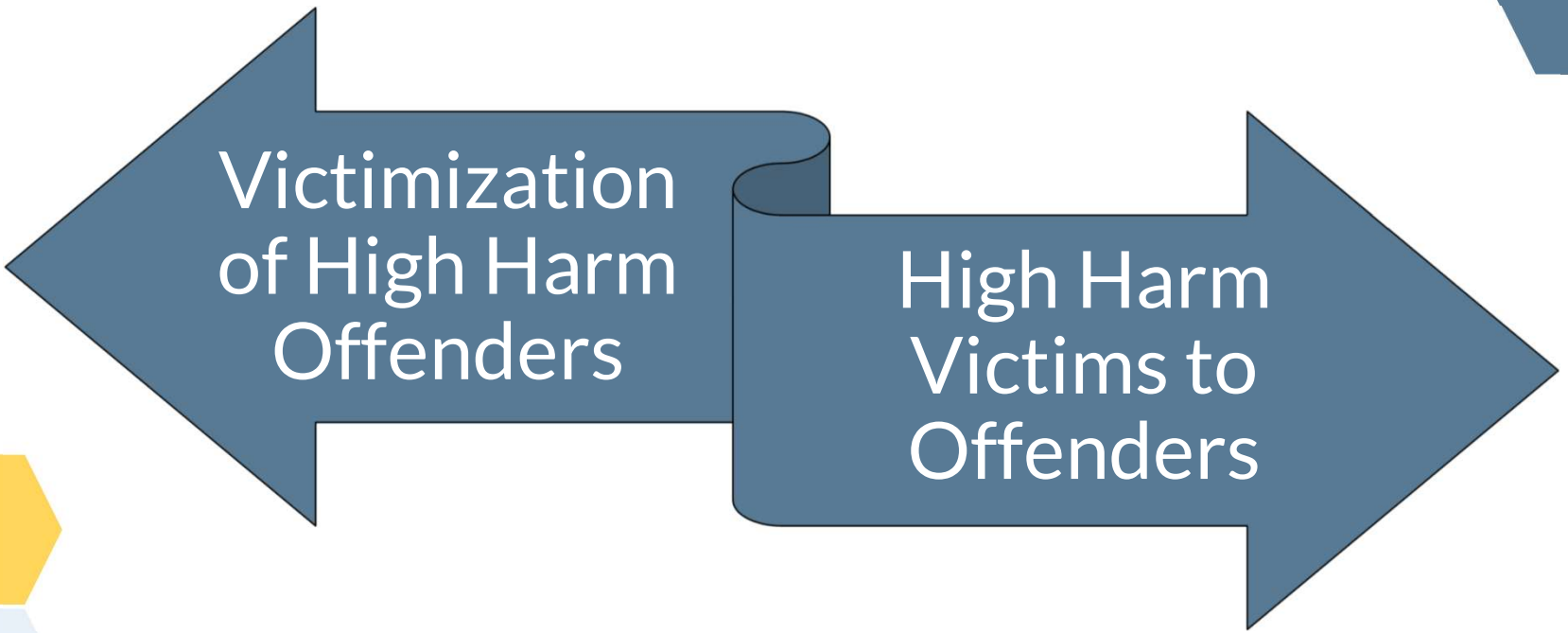
Why Are Police Going To These Calls?

Evidence-based Alternative Responses

Are they dangerous or do they just take up a lot of police time?

Name	Events	Charges	Arrests	Harm Score
Person 1	173	4	2	100.02

How Many Of Our High Harm Offenders Were Previously Victims Of Crime?



How Many Of Our High Harm Offenders Were Previously Victims Of Crime?

Compared the top 10% of highest community-reported harm offenders to BPS victim data.

Found that **34%** of high-harm offenders have also been **victims of crime** throughout their lifetime.

How Many Of Our High Harm Offenders Were Previously Victims Of Crime?

Identified Barrie's victim cohort of individuals up to 30 years old by 2023 (born between 1993-2005).

Cross-referenced victims against charged persons data.

20% of BPS youth victims in this group (so far) have been **charged criminally** (by BPS)

Do ‘occurrence addresses’ reflect or overlook activity patterns within a community?

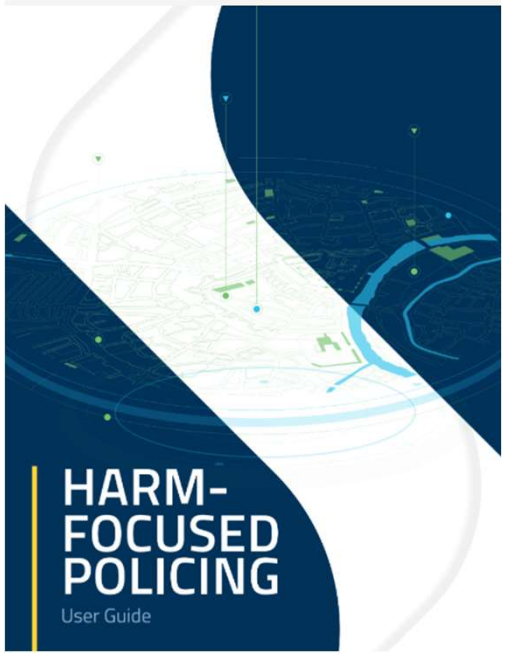
Increases Context

Strengthens Data Insights

Improves Patrol Distribution

Enhanced Resource Allocation

Your Ideas, Our Data, Real Impact

DATA + CONTEXT = MEANING

Access the User Guide & Leader Guide