Here we will be looking at what factors influence how a case is cleared in reference to non-fatal shootings in Rochester between the years 2011 and 2017. About 20% of cases are cleared by arrest. The national average for cities like Rochester is about 26%.

For Shooting Homicides Data
About 50% cleared by arrest
The national average for cities like Rochester is about 45%

**Past Research**

Investigations into both fatal and non-fatal shootings rely on several key factors which can help to identify persons involved (e.g. a suspect), collect evidence, and ultimately solve a case. Traditionally, these key factors include:

- **Depositions** - statements from witnesses or other individuals who have information pertinent to the investigation
- **Witness/Victim Cooperation** - willingness of a witness or victim to provide information relevant to the case. Intimidation poses as an obstacle to this.
- **Physical evidence** - physical items or material pertinent to the investigation (i.e. a bullet or DNA)

While past research has focused on such factors for homicide data, this project has been dedicated to a fairly new area of research focusing on non-fatal shootings.

For this project, case files from fatal and non-fatal shooting cases in Rochester, between the years 2015 and 2017, were analyzed on a variety of variables related to the solvability factors of a case.

Factors that influence case clearance:
- **Number of Investigators** - Related to the amount of effort and resources attributed towards a case
- **Depositions Obtained by Patrol Officers** - Information given to police from relevant parties. Used for a variety of means
- **Traceable Evidence** - Serial numbers, bar codes, ID, room keys, etc.
- **Witness Intimidation** - Person feels threatened, coerced, or otherwise pressured not to talk to police. Intersects with witness cooperation
  - Also applicable for Suspects and Persons with Knowledge
- **Narrative** - Subjective, qualitative aspect of case files filled out by officers and investigators
  - Variation between how different officers fill this out
  - Detail of information
  - Information added or left out

**RPD Open Data Portal**

The RPD Open Portal started back in 2014 as a means of sharing data related to criminal justice topics.
- Includes data directly related to case clearance

**CPSI Contact Information**

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**References**
