Blight & Violent Crime
Urban Data Pioneers

Team Members:
Capt. Richard Alexander, TPD
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Project Overview: Examine the relationship between Blight & Violent Crime and the possible data driven solutions.

Definitions for purposes of this project:
Blight: Any Structure or lot which is:
Uninhabitable, or
Unsafe or negatively affects health, or
Abandoned, or
Presents an imminent danger to people or
A location where repeated illegal activities occur;
And violates state or local property codes

Violent Crime: under FBI uniform crime reporting, violent crime includes (1) murder & non-negligent homicide, (2) forcible rape, (3) robbery, and (4) aggravated assault.
Questions the data could answer

• Is there a way to visualize the relationship between blight and/or abandoned properties and violent crime? Yes
• Is there a way to test the hypothesis that “Blight leads to violent crime” with the data that we can access? Building a robust inventory of blight data to test the hypothesis.
• If correct, is there additional data that if accessed would allow us to predict blight and in turn prevent violent crime? Unknown
• Can we predict blight and inform strategies for reducing the likelihood that a property will become so deteriorated that the only option is demolition? Continuing/Improving – WIN
• Can we predict blight and share information more timely with community partners to come up with innovative solutions to avoid blight? Continuing/Improving – WIN
Development Team – Online Geo Form

1. Question Formulation - Dwain Midget, Brant Pitchford, and Chase Mohler (WIN Staff)
2. Creation, Capabilities, and Reporting of online geo form - Matt Parsell, IT
3. Design & Consultation – UDP Team

http://maps.cityoftulsa.org/blight/
Data Analysis

- Who collected the data? **TPD and Love Your Block (LYB) participants**
- What is the quality of the data collected? **86%**
- How do you know the quality of the data collected? **A random selection of the data was inspected by a qualified WIN staff member for quality.**
- The quality of the data will fluctuate as more data is received and inspected at random.
What’s Next?

• Continued data collection from a wider variety of internal departments.
• Continued review and analysis of crowdsourcing options and tools
• Continued support of BlightStat initiatives and data driven solutions.
• Analysis of demolition data from 2017 and subsequent visualizations