

SHOTSPOTTER GUNSHOT DETECTION



What is ShotSpotter

An audio sensor that specifically detects and locates gunshot activity. The sensors are placed in communities with high gun rates, with the primary focus on keeping our communities safe.

How It Works:

1. ShotSpotter sensors detect a gunshot-like sound, identify the exact area, validate the source is a gunshot, and notify DPD.
2. Precinct Intelligence Unit dispatches the dedicated ShotSpotter unit.
3. ShotSpotter unit arrives on the scene, investigates the area, and collects evidence.
4. ShotSpotter unit returns to scene next day to recanvas for additional evidence collection to process through National Integrated Ballistic Information Network (NIBIN).

ShotSpotter is saving lives!



Shotspotter areas have 27% fewer fatal shootings.

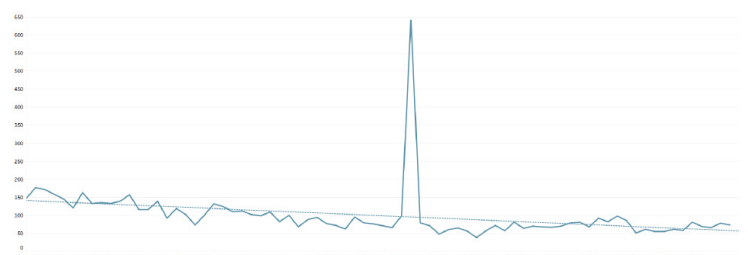
The ShotSpotter system allows police to pinpoint precise gunfire locations to respond quickly to investigate.

	YTD 2022	YTD 2021	% CHANGE
INSIDE SHOTSPOTTER AREAS (8TH & 9TH PRECINCTS)			
Fatal Shootings	13	18	-28%
OUTSIDE SHOTSPOTTER AREAS			
Fatal Shootings	176	178	-1%

The number of shots fired events have decreased 43% year to date in areas with ShotSpotter, suggesting a gun crime behavior change.

Events from 3/15/21-8/30/21 and 3/14/22-8/29/22

SHOTSPOTTER EVENTS BY MONTH | 3/15/21-8/1/22



THE SUCCESS OF SHOTSPOTTER

*Less than 10% of shots fired incidents detected by ShotSpotter resulted in a 911 call to Detroit Police.**

That means residents in the area are NOT calling to report shots fired, while ShotSpotter is picking up these gunshots.

**From March 2021 - August 2022, out of 7503 ShotSpotter alerts, only 711 resulted in 911 calls.*

MISSED OPPORTUNITY

NORTHWEST DETROIT SERIAL SHOOTER CASE

Had ShotSpotter been deployed in this area, police would have been immediately notified of the first shooting, and lives could have been spared.

- Sunday, August 28, at 4:45 a.m., Chayne Lewis was shot multiple times near a church at 18980 Wyoming. No one called 911.
- At 5:33 a.m., less than two blocks away, 16-year-old Ja'miyah Lawrence was shot multiple times. Police were called to this location.
- At 6:53 a.m., officers found a third victim, Lari Brisco, also shot multiple times. Brisco was waiting for a bus a little more than a mile away from the original shooting location. Her time of death is unknown.
- At 7:08 a.m., police were called to 19200 Pennington where 76-year-old John Palik was shot while walking his dog.
- Federal agents confirmed the casings from all four scenes were a match and the suspect, Dontae Ramon Smith, was taken into custody the evening of August 28.

SUCCESS STORY

GHOST GUN MANUFACTURER BUSTED

- 9th Precinct units responded to a ShotSpotter alert at 19165 Hoyt. Officers observed a vehicle in the back yard with several bullet holes and roughly 100 shell casings.
- A search revealed that ghost guns were being manufactured, test fired and probably sold at the location.
- Kaymen Wesley and Xavier Peterson, who were convicted felons, were taken into custody. Peterson later plead guilty to federal charges in connection to the case.

SUCCESS STORY

INNOCENT NEIGHBOR'S ARREST PREVENTED

On July 6, 2021, officers responded to 16282 Liberal for a report of a five-year-old shot.

- When police arrived, the child and mother stated the neighbor shot the child as a result of an ongoing dispute.
- ShotSpotter was consulted, and the technology did not indicate any shots fired in the area.
- The investigator conducted a search inside the home and discovered the shooting happened inside the family's home and appeared to be accidental.
- **Thanks to ShotSpotter, police were able to pivot their investigation and the innocent neighbor was never questioned by police.**