



BETTER INFORMATION • BETTER DECISIONS • BETTER OUTCOMES

# Community First Patrol Management Deters Crime and Promotes Positive Community Engagement

## The Public Safety Challenge

Research proves that high-visibility patrols are an effective deterrent to crime. The challenge is determining exactly where and when to send limited patrol resources without creating over-saturation or areas of gaps of police services. Without real-time access to multiple data inputs, deployment strategies can result in a day-in day-out routine of patrolling in the same locations with no real effect. Similarly, policing areas based on traditional hot spot analysis or solely on officer experience, while made with good intentions, may leave the community feeling over-policed and discriminated against.

## Make Your Community Safer with Precision Policing

With ShotSpotter Connect, command staff now have access to a precision-policing tool that maximizes crime deterrence with limited resources while mitigating potential bias. ShotSpotter Connect is a patrol management solution that uses artificial intelligence to direct officers to the locations with the highest risk of crime for a particular day and time to prevent crime before it occurs. The system calculates the time spent in each area and presents the light touch tactics by crime type. Command staff gain better visibility into whether officers completed their patrol assignments, the tactics applied and any activities conducted - all in an effort to reduce overall crime and positively engage the community.

## Benefits of ShotSpotter Connect

### BETTER INFORMATION

#### Data-Driven Directed Patrols

Receive precise risk assessments modeled on near-real time data sources that are designed to maximize risk deterrence.

#### Insights for Officer Safety

Pre-patrol briefings with built-in risk assessments and other key details based on location lead to increased officer awareness and safety.

#### Robust Reporting

Measure and evaluate what tactics and dosage your officers are using to deter crime and how it's working over time.

### BETTER DECISIONS

#### Proactively Allocate Resources

Implementing resources such as street outreach, focused deterrence and trauma-informed care will improve community trust and quality of life.

#### Non-Enforcement Tactics

Prevent crime and social disorder using the least amount of enforcement necessary and in partnership with the community.

#### Coaching Officers for Maximum Effectiveness

Provide precise coaching and resource adjustments based on the insights from robust reporting.

### BETTER OUTCOMES

#### More Effective and Efficient Agency

Maximize crime deterrence and enable police chiefs to apply the right dosage of policing in the right places at the right times.

#### Strengthened Community Trust

Directed patrol plans based on objective data mitigates the risk of bias or over-policing and enables officers to provide quality services.

#### Accountability and Patrol Transparency

Review insights into patrol officer activity and provide feedback on tactics that may most effectively deter crime and build community trust.



### SHOTSPOTTER'S INNOVATIVE APPROACH

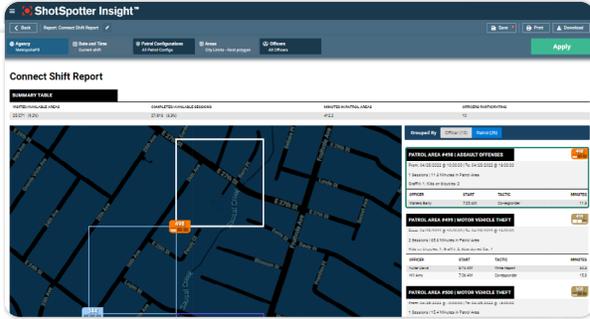
**Crime Prevention:** Precise directed patrols based on AI that simultaneously use multiple crime theories are superior to traditional hot spot analysis and maximize crime deterrence.

**Force Multiplier:** In an era of increasingly limited resources, agencies can use fewer officers directed to the right places at the right times while getting a bigger impact.

**Limit Over-Policing and Potential Bias:** The exclusive Over-Policing Limiter helps reduce the instances of over-policing in areas that are approaching saturation, showing respect for the community.

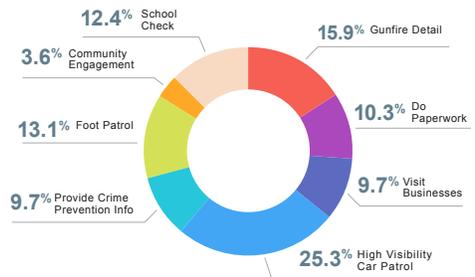
**Visibility into Patrol Activities:** A suite of reports provides command staff with insights into where officers were and what they were doing that helps optimize patrol strategies and ensure officer accountability.

# Gain Greater Visibility into Patrol Activities with Detailed Reporting Options



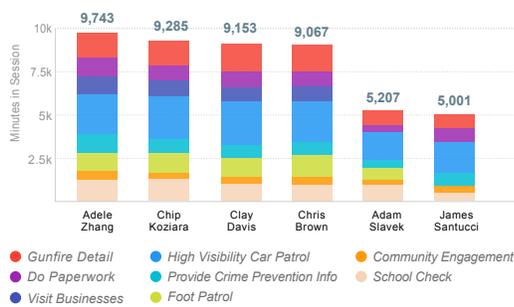
The **Shift Report** provides Command Staff with an option to obtain near real-time insights into patrol operations, enabling them to see where their officers were and what they were doing over time.

## FREQUENCY OF TACTICS EMPLOYED



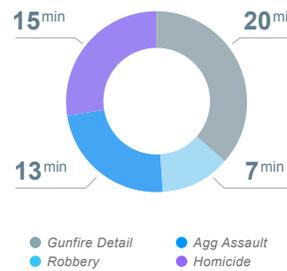
The **Tactic Report** enables the agency to measure and evaluate what tactics officers are using to deter crime.

## MINUTES IN SESSION BY TACTIC



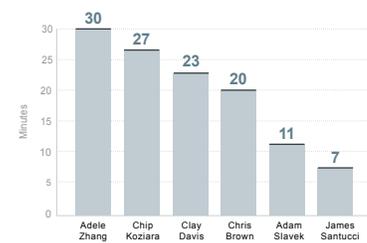
The **Officer Report** allows the command staff to see how time has been spent on each tactic to hold officers accountable and enhance information relevant to officer evaluations.

## AVERAGE MINUTES PER SESSION



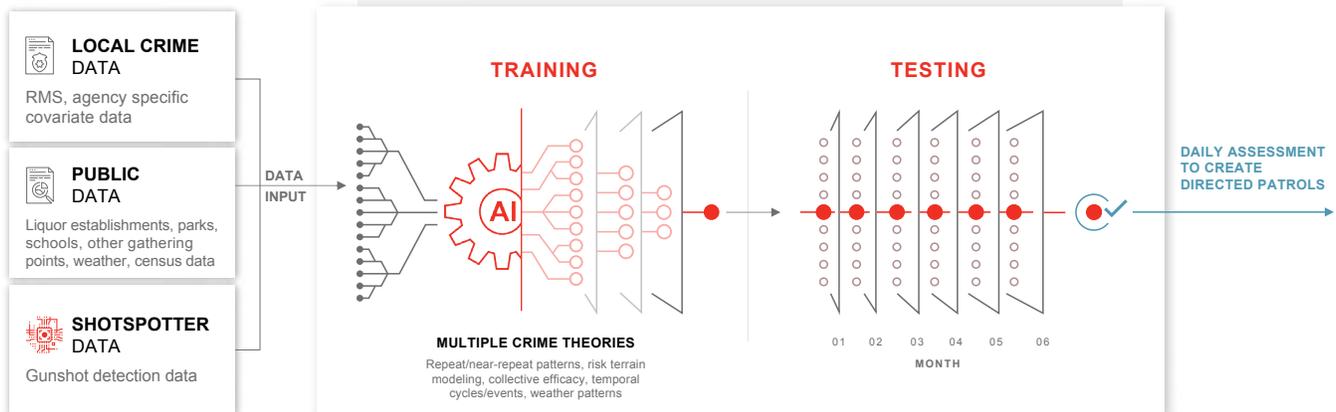
The **Crime Type Report** presents insights on the average minutes spent on directed patrols by officer for each crime type, helping agency leaders optimize their patrol strategies to maximize crime deterrence.

## AVERAGE MINUTES PER SESSION PER GUNFIRE CRIME TYPE



# How ShotSpotter Connect Works

## CRIME RISK ASSESSMENT MODEL



### 1 Data Input

Connect collects and analyzes a mix of crime data and objective non-crime data to enable the most accurate risk assessments and minimize the potential for bias

### 2 Model Training

The data goes into the transparent crime-risk assessment model which uses AI to analyze enormous amounts of data and determine correlation of inputs to crime

### 3 Testing

The model is tested to assess crime risk for the last 6 months and compare to crime that actually happened

### 4 Rollout

Once the system reaches its threshold accuracy, it is ready to provide directed patrols