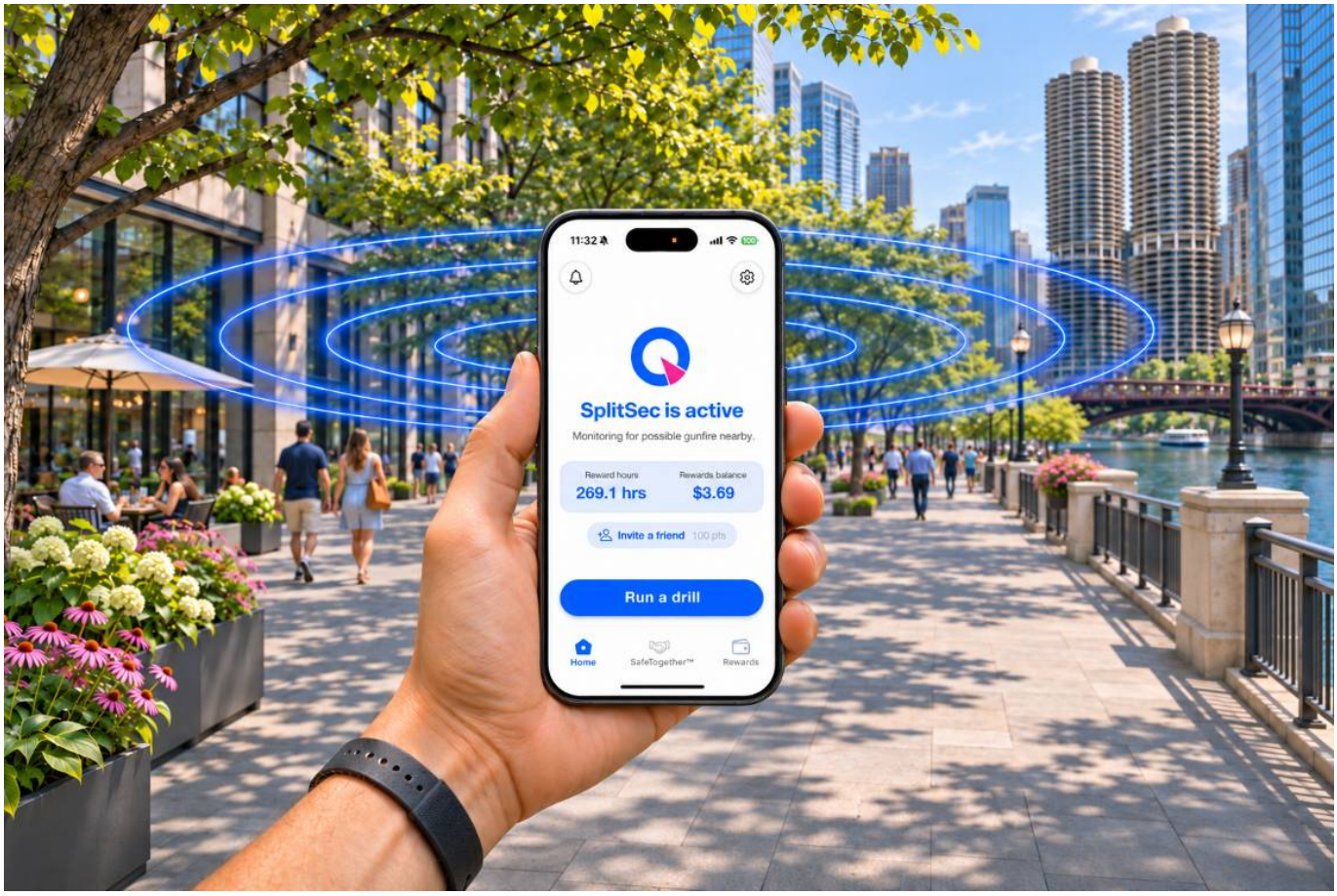
SplitSec.AI

PHASE 1 PUBLIC SUMMARY

Chicago Ward Pilot Findings

Community powered gunfire awareness

July to October 2026



Smartphones in real-world Chicago conditions

Phase 1 of the pilot was very successful with over 100 participating residents from 16 wards who collectively contributed more than 14,000 aggregate device-monitoring hours.

The pilot identified practical requirements for sustained participation, credible alerts and a stronger ward-scale deployment.

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PUBLIC SUMMARY

Chicago Ward Pilot Findings

Community-Powered Gunfire Awareness

July to October 2026

Pilots officially offered in Wards 5, 21, 37, 38, and 42. Grew organically and drew residents from 11 other wards.

16	14,000+	5	100+
PARTICIPATING WARDS	DEVICE-MONITORING HOURS	GUNFIRE DETECTIONS CONFIRMED BY PARTICIPANTS	REGISTERED USERS

Executive summary

From July through October 2026, SplitSec worked with several Chicago ward offices to test a privacy-centered, community-powered approach to gunfire awareness. The pilots strived to answer the question - can smartphones already carried by residents offer personal awareness while supporting a community-wide awareness much like Google maps and Waze?

Over 100 residents from 16 wards contributed more than 14,000 aggregate device-monitoring hours. Five alerts were classified by participants as actual gunfire.

The ward-level pilots successfully demonstrated that smartphones could create a distributed gunfire-awareness acoustic network. They also identified the operating requirements for a stronger ward-scale deployment, namely: on-device privacy protection, triangulation and multi-device corroboration, an approved emergency-escalation pathway to 911, fixed coverage for geographic gaps, a deliberately recruited detector cohort with modest incentives, and iPhone and Android availability.

1

The central findings
Privacy-first on-device detection, triangulation and multi-device corroboration make alerts credible. Automatic 911 dispatch and fixed coverage close the response and geographic gaps. A detector network with active participation and community rewards keeps it running as a civic service.

What this phase did and did not establish

- It established that on-device acoustic AI can operate through participating smartphones in real-world Chicago conditions.
- It produced practical lessons about participation, alert quality, privacy, device availability and community engagement.
- It was not designed to prove crime reduction or crime prevention.

PHASE 1 PILOT FINDINGS

What we learned

1

Privacy by design: sound is analyzed on the device

Privacy was very important to users. Sound is analyzed only on the device and no raw audio is streamed. SplitSec does not continuously stream or store playable raw audio. With participant consent, a numerical sound signature may be shared to improve the model.

2

Triangulation gave users the location awareness they wanted

It was very important to users to know the likely location of gunfire. The “SafeTogether” screen in the app drew strong praise from users. Triangulated areas are snapped to the closest cross street, and in the event of a shooter-area identification, no user’s location, phone number or address was revealed.

3

Multi-device corroboration improves alert quality

During the app’s auto-adjustment period, a few models produced nuisance false positives in certain environments. Matching detections from nearby devices substantially increased confidence before broader notification. In Ward 42, no participant-confirmed false positives were reported during Weeks 3 through 9, after multi-device corroboration was put in place.

4

911 dispatch was the most requested feature

An automated 911 dispatch was the most requested feature. We are offering it in Phase 2 of the pilot by integrating with a third-party emergency response platform. In the future we would like to integrate with the city’s CAD/OEMC systems.

5

Fixed coverage fills geographic gaps

Community phones alone cannot guarantee density in every location at every instance of time. SplitSec’s PerimeterPAK fixed outdoor detectors can fill important gaps.

6

Participation must be actively managed

Users greatly appreciated personal awareness, but registration did not equal continuous monitoring. The most important operating friction was re-engagement after phone restarts. A larger program needs structured incentives, reminders, and support.

7

Rewards for participants substantially increased contribution hours

Community Rewards was introduced in response to participant feedback asking for incentives to stay engaged. The feature launched late in the pilot, but the trends establish a notable increase in monitoring hours for reward motivated users. Phase 2 will continue with the simple reward of $10 for every 1,000 hours monitored, plus a bonus for each confirmed referral.

8

iPhone availability is essential

The initial Android-only launch limited recruitment and created meaningful iPhone waitlists in multiple wards. SplitSec has since launched on iOS, substantially expanding the potential population of detector participants and notification users.

Phase 2 of the pilot

Phase 2 is a structured six-month validation in two or more Chicago wards. It will test sustained detector density, geographic coverage, alert quality, fixed and mobile corroboration, community notification and emergency escalation under agreed performance measures.

ACTIVE DETECTOR NETWORK

Approximately 200 active monitors

Recruit about 250 to 300 residents to sustain approximately 100 active detectors. Participants earn $10 for every 1,000 hours monitored, plus a bonus for each confirmed referral.

NOTIFICATION COMMUNITY

Broad resident participation

Additional residents receive nearby alerts without detector duty. They can still confirm whether they heard gunfire and add local context.

FIXED COVERAGE

PerimeterPAK at strategic gaps

Outdoor fixed detectors strengthen coverage at selected businesses, schools, houses of worship, parks, and other priority locations.

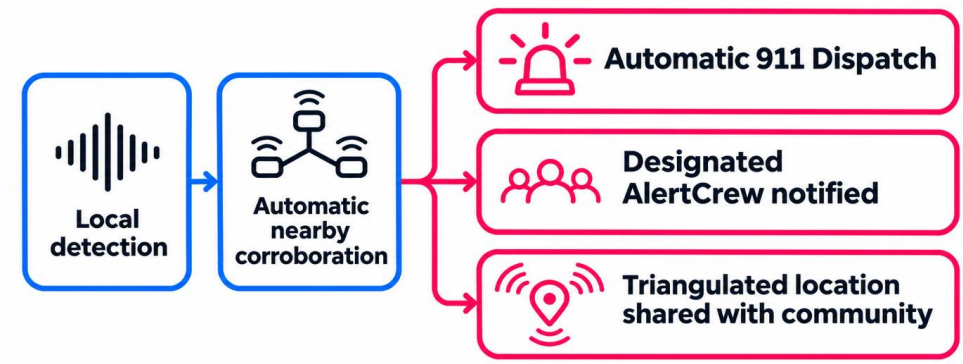
Phase 2 operating flow

Phase 2 will include the SplitSec gunfire awareness app on iOS and Android, our PerimeterPAK fixed-sensor units installed at specific sites and automatic 911 dispatch.

Updated App workflow in phase 2



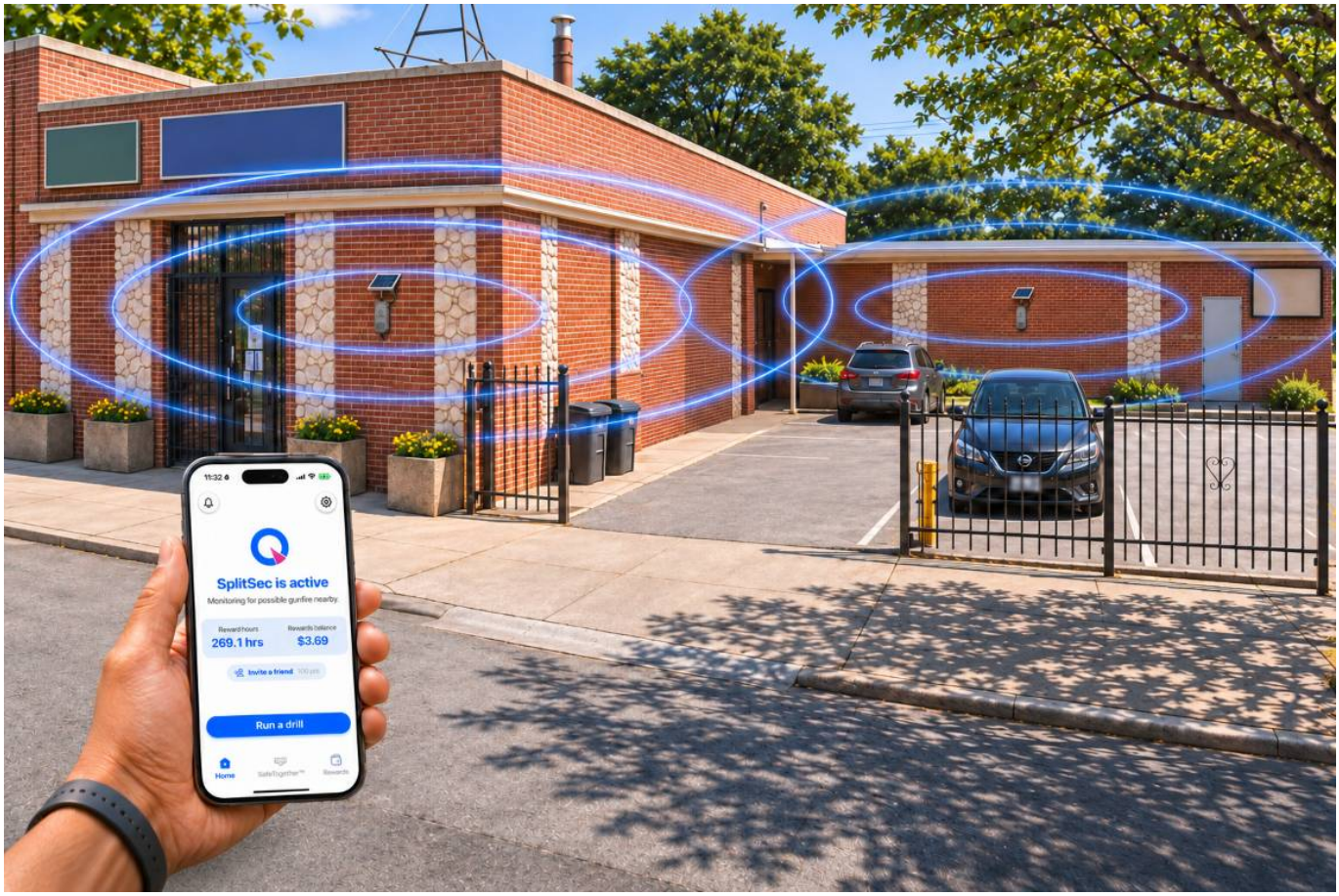
New PerimeterPAK workflow in Phase 2



PILOT PHASE 2

Next steps = App + PerimeterPAK

Phase 2 of the SplitSec pilot will include our gunfire awareness app on iOS and Android, and our fixed outdoor sensors. Automatic 911 dispatch will also be baked into both products. Phase 2 will allow Chicago wards to determine, using real-world evidence, how a managed community network can provide meaningful gunfire awareness at a substantially lower cost than traditional area-based systems.



What Phase 2 will measure

- Active and concurrent detector density
- Monitoring hours and geographic distribution
- fixed and mobile corroboration
- Participant-confirmed detections
- 911 dispatch performance
- Community and AlertCrew notification

Acknowledgement

SplitSec is grateful to the alderpersons, ward teams and residents who contributed time, feedback and practical insight during the initial pilot phase.