

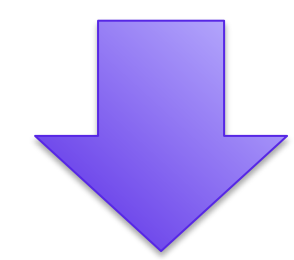
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IRG-2, FY2021

1. The **surge in gun violence** in many American cities in recent years has renewed interest in **community-led solutions** to interrupt the **contagious spread of gun crime**.

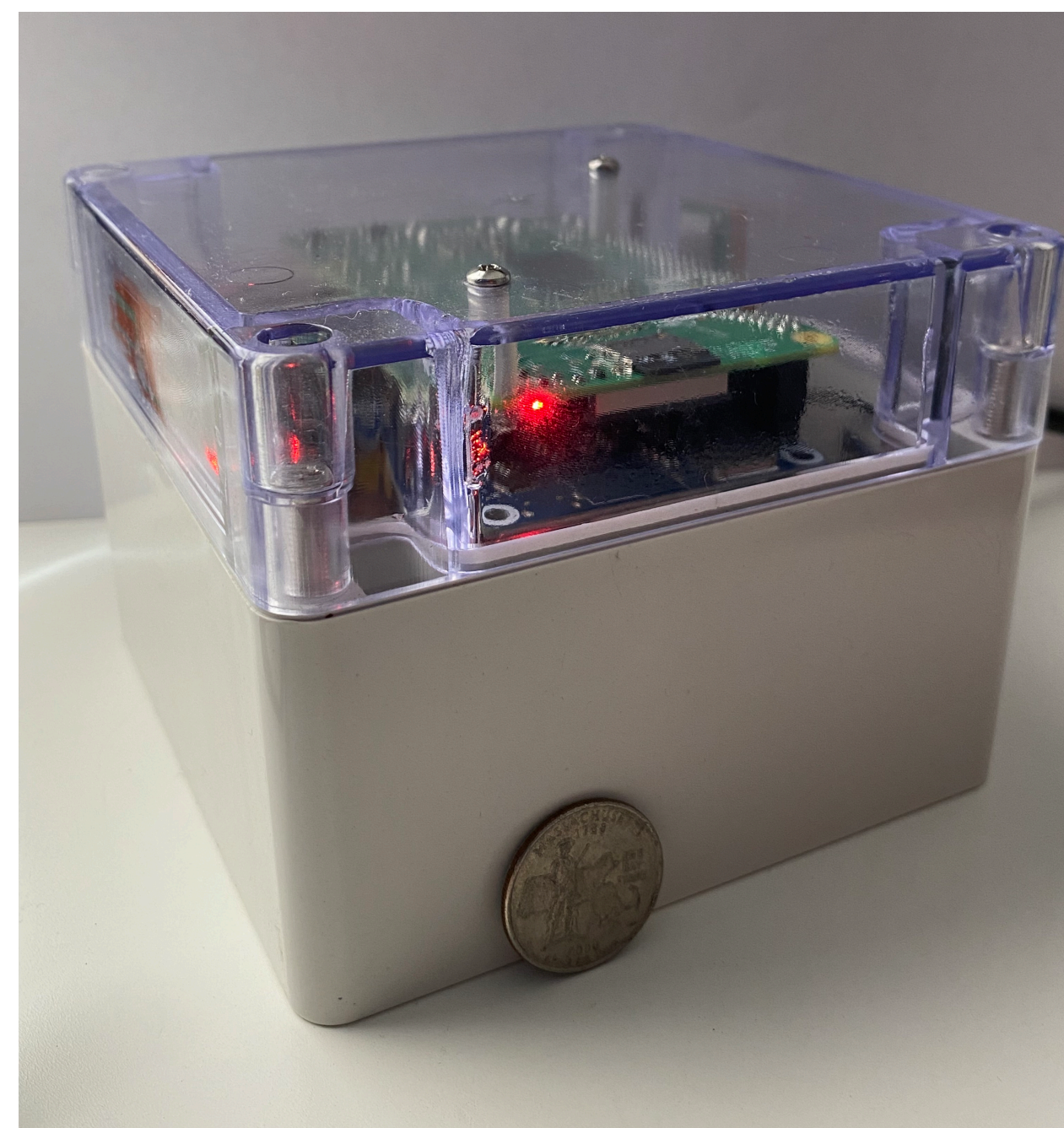
2. **Community intervention workers (CIWs)** have the ‘street credibility’ to interrupt violence, but they are **dependent upon police data** to act.

3. We partnered with the **Los Angeles Mayor’s Office of Gang Reduction and Youth Development (GRYD)** to deploy a network of low-cost audio **gunshot detection sensors** in areas with chronic gang violence. The network gives CIWs an **independent source of real-time data** to support interventions and prevent retaliations.

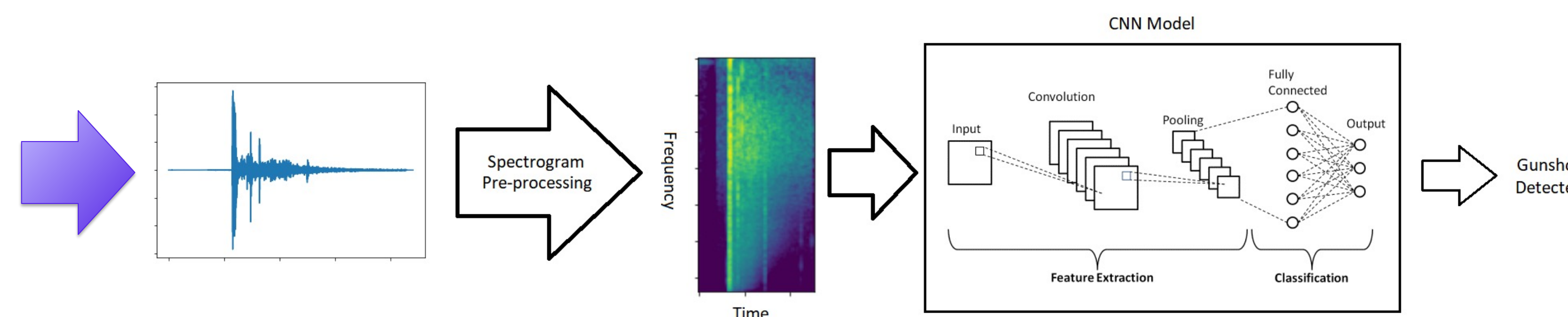
## Year 1 Activities



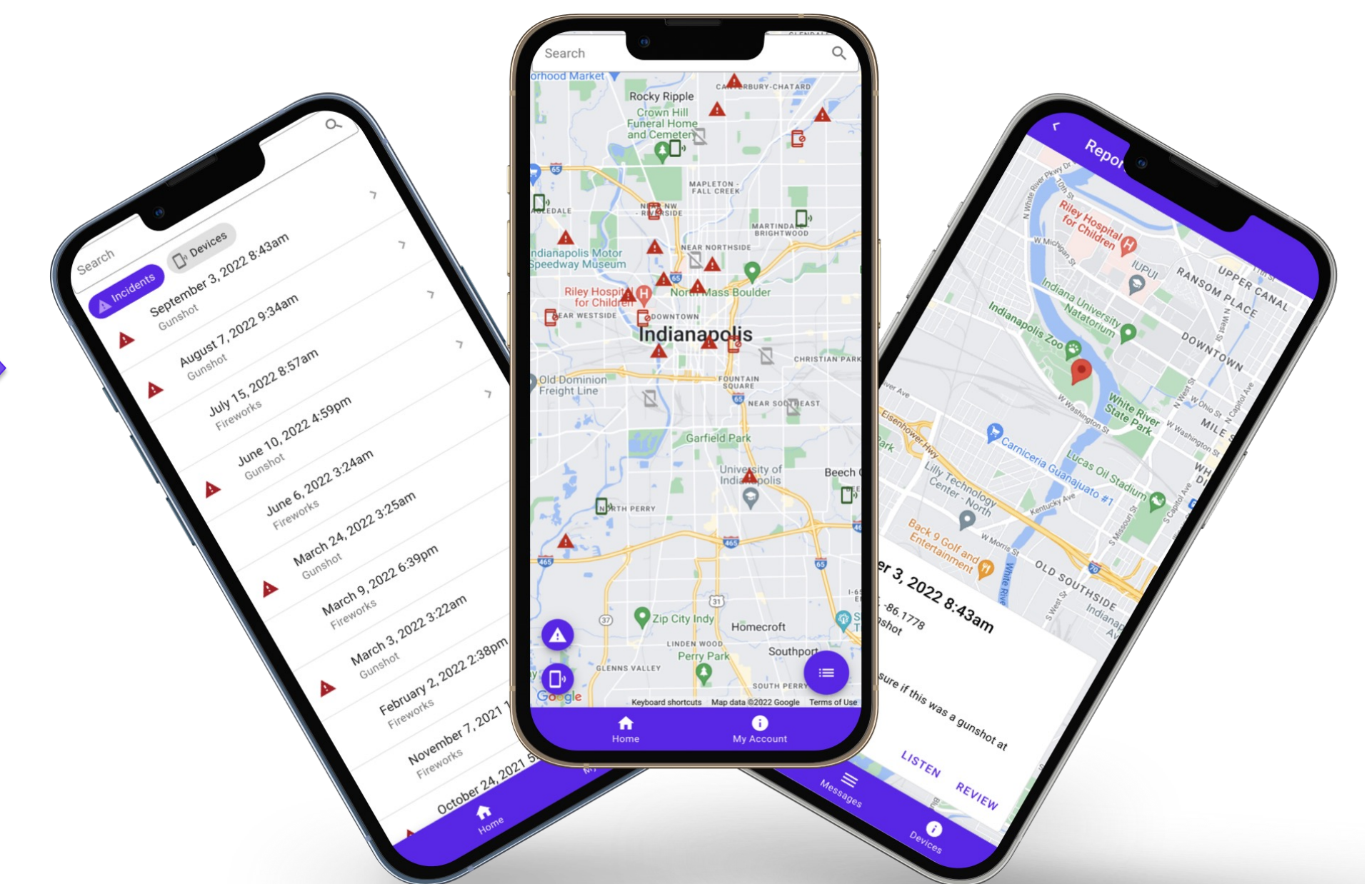
### 4. controlled testing



### 5. refined machine learning



### 6. community-designed alert platform



7. CIWs **save lives** when they respond rapidly to gun violence. **Community-deployed sensors** support real-time **evidence-driven community action**.

8. **Low-cost** “off-the-shelf” components and **community involvement** in software design create sustainability. **Community control of data** is a first step in “**data democratization**.”

9. Next steps include **field deployment** of sensors and mobile alert platform in urban settings, CIW training and evaluation, and **experimental testing**.