

**Solve crimes faster  
with rapid DNA**

# The Applied Biosystems™ RapidHIT™ ID DNA Booking System strengthens criminal identification while arrestees are still in custody, enabling you to:

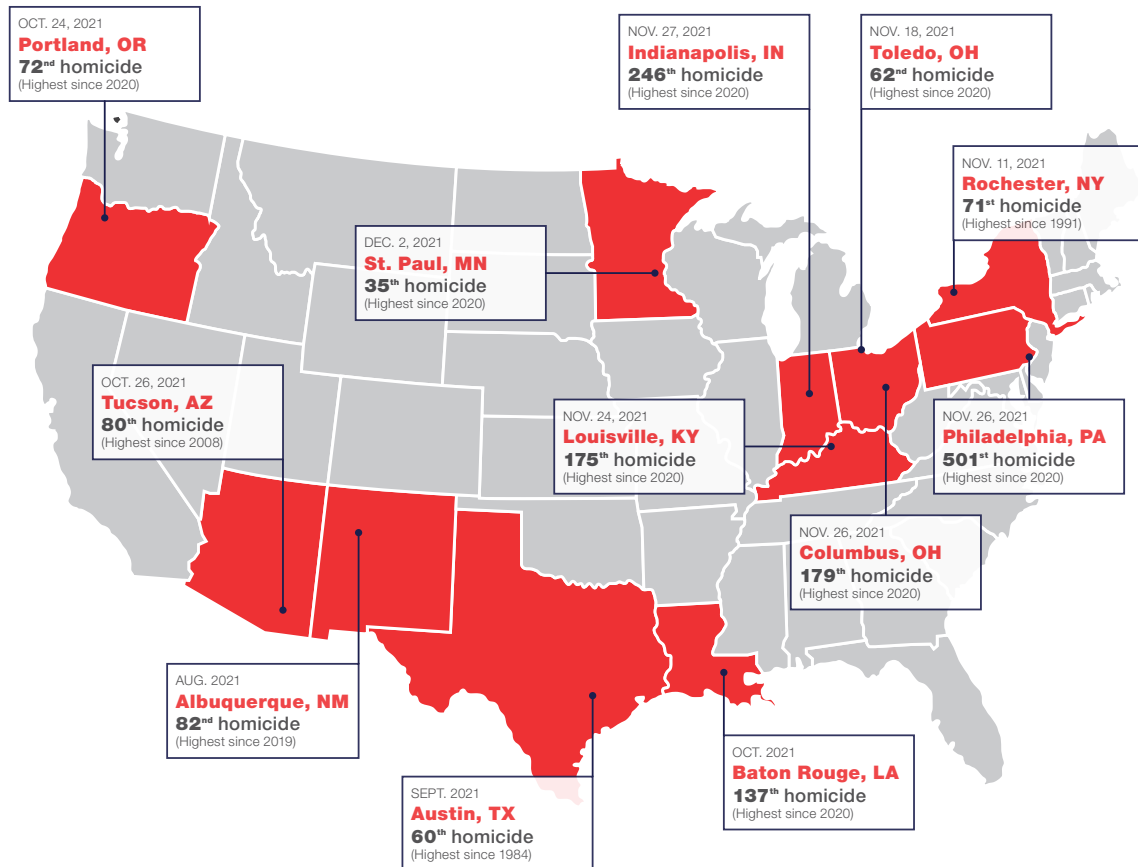
## Fight record-breaking crime rates

Nationwide increases in violent crime, the largest since 1905, are intensifying demands on law enforcement.<sup>1</sup>

A violent crime occurs every



A property crime occurs every



Every minute that a crime remains unsolved is time for someone else to become a victim. Imagine what can happen when DNA testing takes only minutes—instead of days, weeks, or even months.

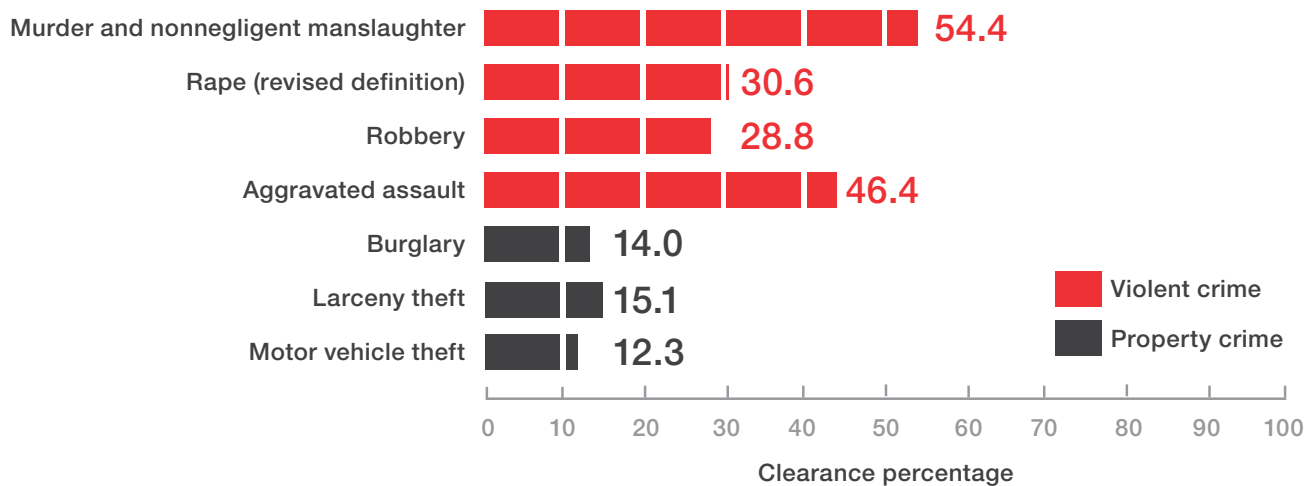
## Generate timely investigative leads

Historically low clearance rates are having a lasting impact on public safety.<sup>2</sup>

### According to the US Uniform Crime Report:

In 2020, there was a **30%** increase in homicides and the lowest clearance rates in more than 50 years. And in 2021, homicides rose roughly 6% relative to 2020.<sup>1</sup>

**>300,000** cases remain unsolved.



Average clearance rates show that **~40–60%** of offenders are not held accountable for their crimes.<sup>1</sup>

With the RapidHIT ID DNA Booking System, in as little as 90 minutes, the booking, charging, and investigating agencies are automatically notified if an arrestee's DNA matches DNA from unsolved cases.

## Deter and prevent crime

The RapidHIT ID DNA Booking System strengthens the power of DNA databases to support law enforcement.

### Since its inception in 1998:

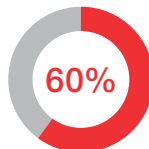
CODIS, under FBI management, has produced more than **587,773** hits and aided **574,343** investigations.<sup>3</sup>

The CODIS database contains:

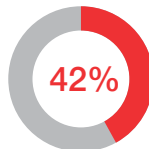


Three years<sup>4</sup> after entry into the database, arrestee DNA registration led to:

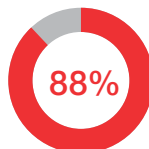
Reduction in violent crimes



Reduction in property crimes



Reduction in weapon offenses



Registering arrestees saves money:

**\$1,500–\$20,000**

saved for each DNA profile included in the database<sup>5</sup>



The Combined DNA Index System (CODIS) is a law enforcement tool that compiles state and local DNA databases into one repository, enabling law enforcement agencies to link DNA profiles from crime scene evidence to offenders.

## Hold offenders accountable

Lawfully owed arrestee samples missing from CODIS:

**30,000 to 50,000** per state/more than 1 million nationally



When lawfully owed DNA is missing from DNA databases:

- Investigations are negatively impacted
- Efforts to reduce the extensive nationwide criminal case backlog are undermined
- The impact of DNA enrollment on recidivism and criminal justice cost savings is diminished



## The RapidHIT ID system helps increase the value of CODIS for law enforcement

Rapid DNA collection at booking ensures the lawfully owed DNA of each arrestee is quickly uploaded and searched in CODIS while the suspect is still in custody, in order to:

- Identify repeat offenders
- Provide immediate investigative leads
- Disrupt and deter offenders, helping officers focus on serving and protecting their communities

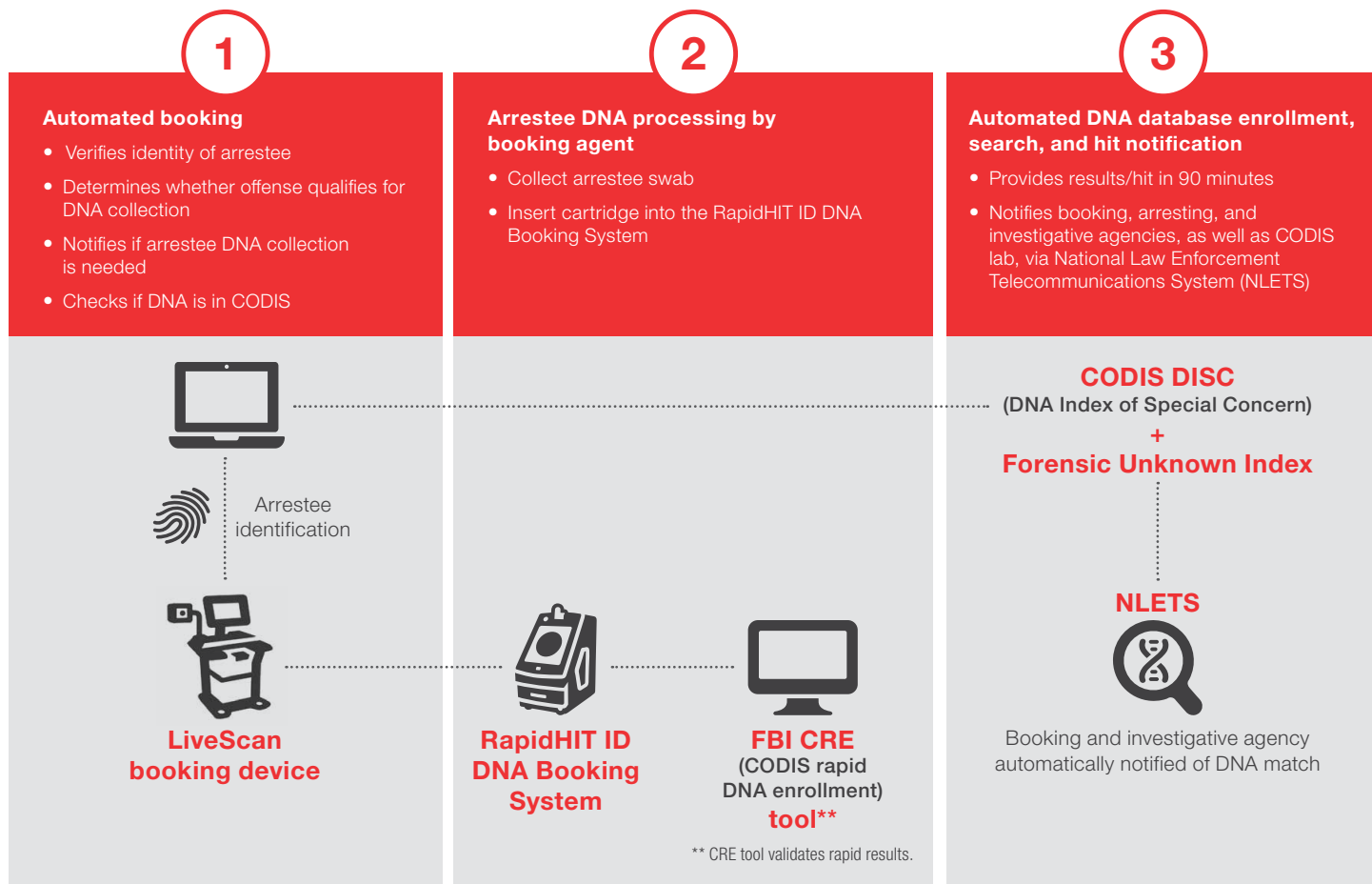
Studies show recidivism of violent and property crime offenders can be curtailed, with the largest impact on recidivism attributed to offenders enrolled following their first offense. Automated, rapid DNA processing at booking helps ensure all DNA profiles from qualifying arrestees are enrolled while offenders are still early in their criminal careers—where the biggest effects on deterrence and public safety can occur.

## Did you know?

More than one million lawfully owed arrestee DNA profiles are missing from local and state databases, hampering the ability to solve and prevent crimes.

# Rapid DNA booking process

The RapidHIT ID DNA Booking System enables you to combine criminal history information, fingerprints, and rapid DNA analysis into one powerful booking process.



The RapidHIT ID DNA Booking System helps solve and prevent crime, while deterring offenders. Integrating DNA within existing biometric enrollment systems ensures DNA is captured for qualifying arrestees early in the investigative process. By using rapid DNA within the booking station process, law enforcement can maximize the strength of these investigative tools and have more direct and immediate impacts on crime-fighting abilities.

## References

1. Federal Bureau of Investigation, Crime Data Explorer\* <https://crime-data-explorer.app.cloud.gov/pages/explorer/crime/crime-trend>
2. Hannah Barcus; Charles Heurich; Nancy Ritter; Dawn Elizabeth Schwarting; Rachel Walton (2019) NIJ, National Best Practices for Implementing and Sustaining a Cold Case Investigation Unit <https://www.ojp.gov/pdffiles1/nij/252016.pdf>
3. FBI. (n.d.). CODIS – NDIS Statistics. <https://le.fbi.gov/science-and-lab-resources/biometrics-and-fingerprints/codis/codis-ndis-statistics>
4. Tegner Anker AS, JL Doleac, R Landersø. (2020). The Effects of DNA Databases on the Deterrence and Detection of Offenders. SSRN Scholarly Paper.
5. Doleac JL. (2016). The Effects of DNA Databases on Crime. SSRN Scholarly Paper.

\* 2021 data is incomplete due to a change to the national crime collection program from the Summary Reporting System to the National Incident-Based Reporting System (NIBRS).

Learn more at [thermofisher.com/rapiddna](https://thermofisher.com/rapiddna)