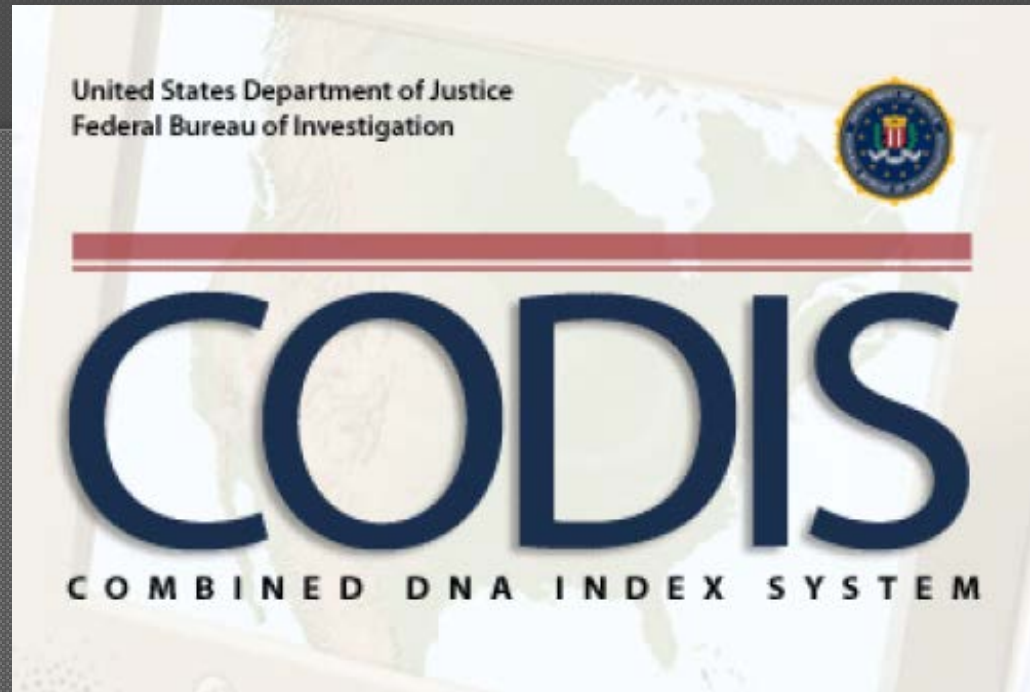


WASHOE COUNTY SHERIFF'S OFFICE FORENSIC SCIENCE DIVISION

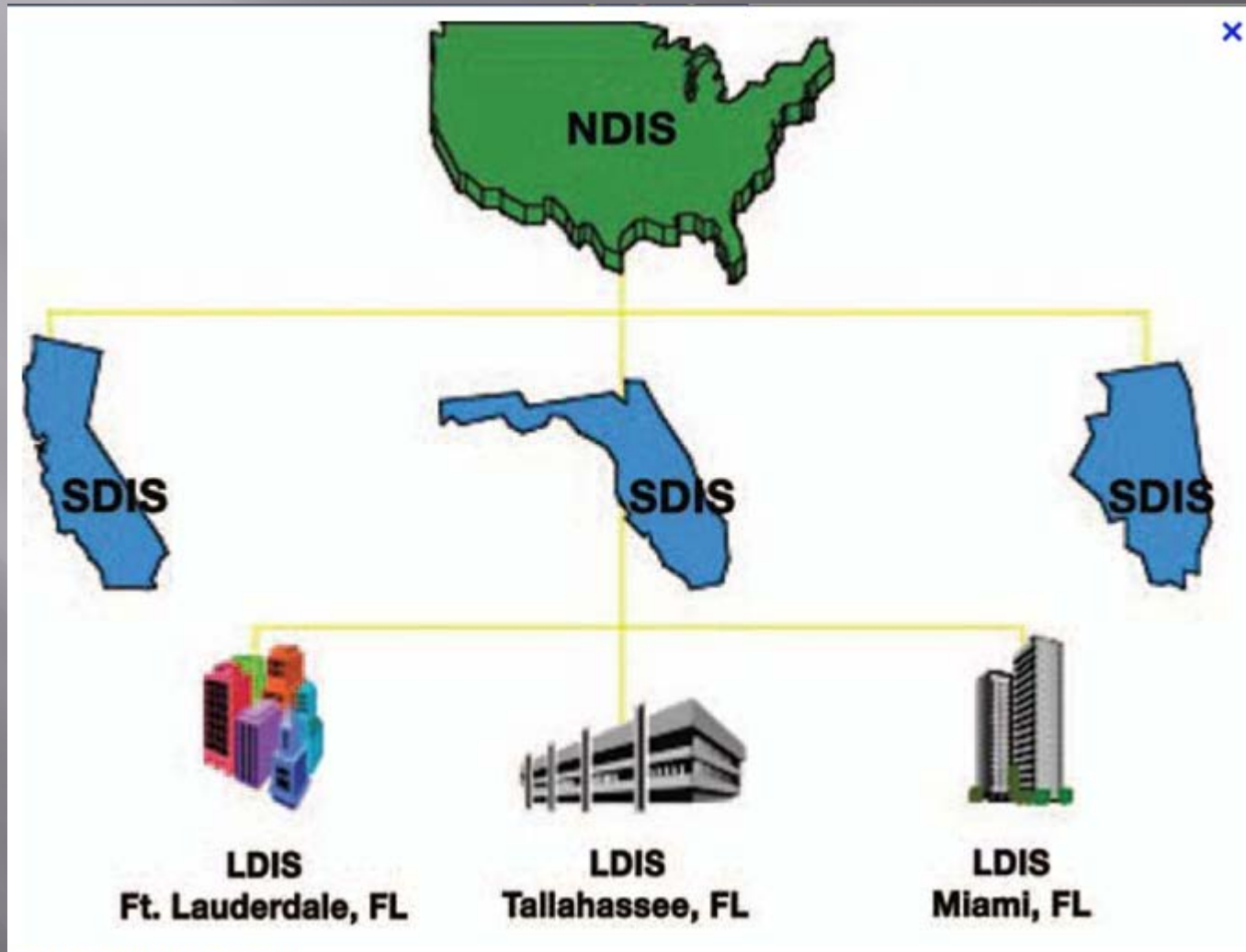


Stephen Gresko Senior Criminalist
Nevada State CODIS Administrator

CODIS

- ◎ Combined DNA Index System
- ◎ Computer system established by the FBI to compare DNA profiles
- ◎ DNA Profiles are submitted as:
 - Offenders (Conviction, Arrest, S.A. Registration)
 - Forensic (From Crime Scenes)
 - Missing Persons

HOW CODIS IS STRUCTURED



Offender Classes in NV

- NRS 176.09123

Arrestee: Persons arrested for a felony

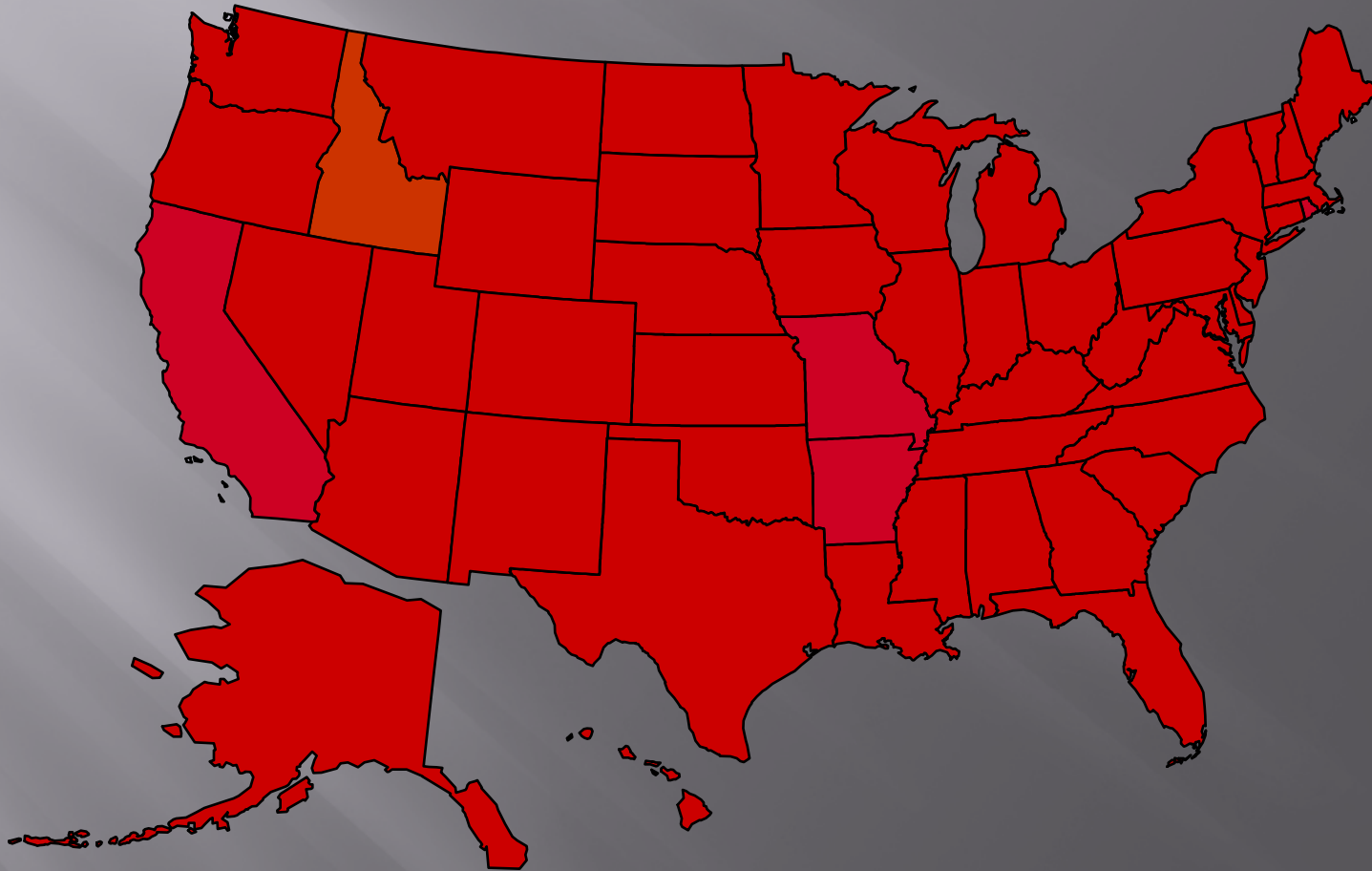
- ◉ NRS 176.0913

Conviction: Persons convicted of any Felony, Crime against a child, misdemeanor sex offenses, Abuse of older or vulnerable persons, Failure to register with local law enforcement

- ◉ NRS 179D.443

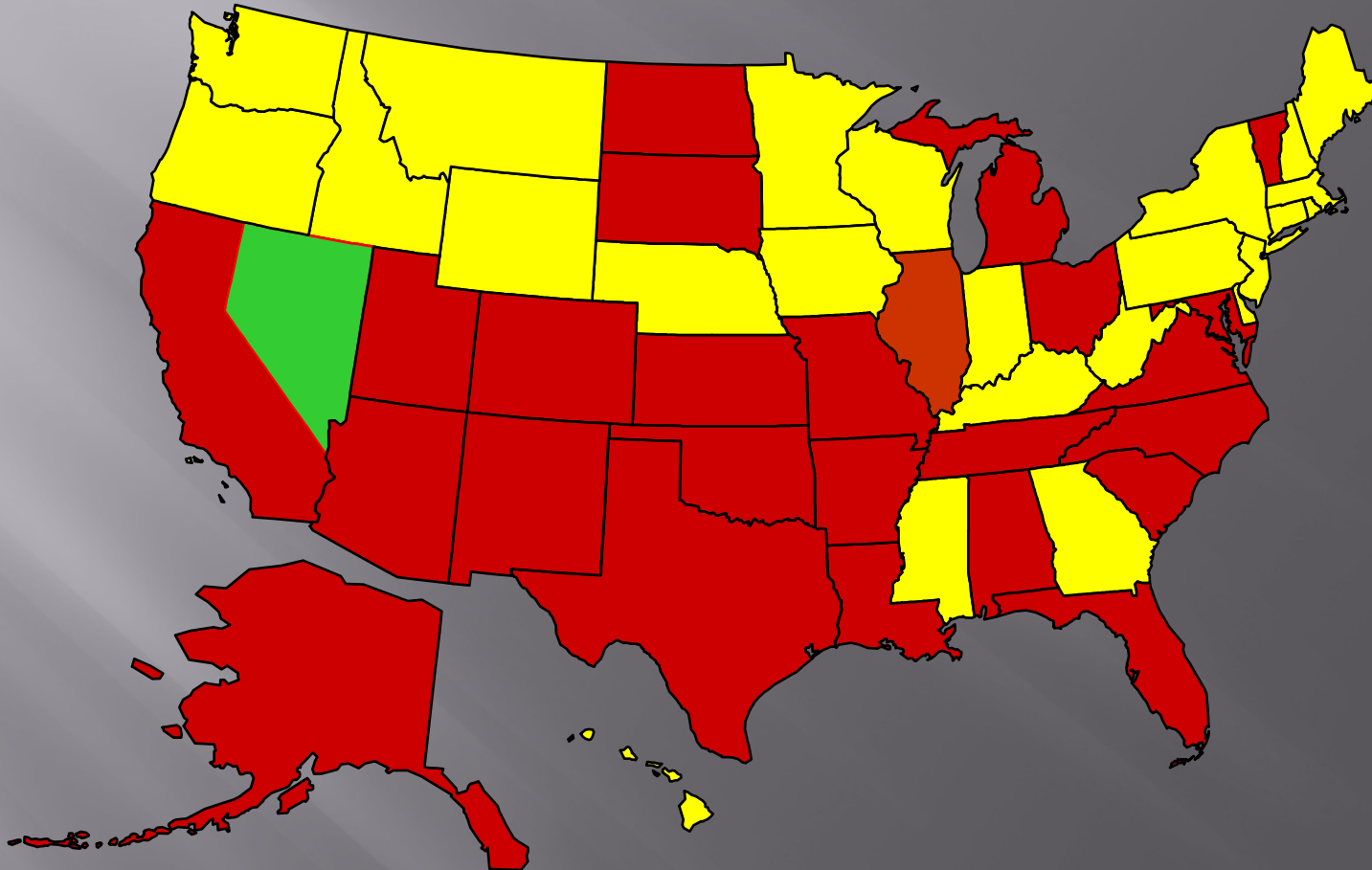
Sex Offender Registration: Persons required by Nevada law to register as a sex offender

All Felony Convictions



RED = All Felony Law

Arrestees



+ Federal and DoD

What Gets Entered?

- ◉ Specimen ID: 2014-000124
- ◉ Laboratory ID: NV0160000
- ◉ Specimen Category: Offender, Forensic, Missing Persons
- ◉ DNA Profile: TH01: 7,9 D5S818: 9,13, TPOX: 8 etc.

No personally identifiable information is entered.
CODIS is nameless

STaCS

- ◎ Because CODIS has no names, we must use a separate database to track the personally identifiable information associated with each offender entered into CODIS
- ◎ **STaCS** = **S**ample **T**racking & **C**ontrol **S**ystem is the program used for this
- ◎ The STaCS database is housed on two secure servers at the Washoe County Sheriff's Office

STaCS

- ◎ STaCS has a web-based interface that is used by all collecting agencies in the state
- ◎ The web interface performs a duplicate check and alerts the collecting officer if a sample needs to be collected
- ◎ If a sample is required, the collection information is entered into STaCS and a bar-coded collection kit is used to collect a mouth swab & fingerprints

[Edit Profile](#)

[New Submission](#)

[Submission Worklist](#)

New Submission

Demographic Information

Social Security Number (eg: 123-45-6789 or None)

State ID Number (eg: XX12345678 or Pending)

[Check for duplicates](#)

Please enter

[Edit Profile](#)

[New Submission](#)

[Submission Worklist](#)

New Submission

Demographic Information

Social Security Number (eg: 123-45-6789 or None)

None

State ID Number (eg: XX12345678 or Pending)

NV12345658

[Check for duplicates](#)

Potential Duplicate Warning

1 potential subject with matching information found

[Ignore this and continue with data entry](#)

city nevada carson

[Confirm this is a match](#)

DOB: 12/15/1964

P&P #:

SSN: None

CS #:

SID: NV12345658

DOC #:

W Male

Edit Profile

New Submission

Submission Worklist

New Submission

Demographic Information

Bar Code (eg: NV1234567)

Last Name

First Name

Middle Name

Sex

☐ Male ☐ Female

Date of Birth (mm/dd/yyyy)

Race

☐ White ☐ Hispanic ☐ Native American
☐ Black ☐ Asian ☐ Other ☐ Unknown

Social Security Number

555-55-5555 [Change This](#)

State ID Number

NV12345678 [Change This](#)

P&P Number

DOC Number

CS Number

[Conviction Information](#)

[Edit Profile](#)[New Submission](#)[Submission Worklist](#)

New Submission

Conviction Information

Offense I (NRS)

Date of Conviction (mm/dd/yyyy)

 ☐

Felony

☐

Gross Misdemeanor

County of Conviction

Collection Information

Specimen Nature

Contributor Type

Collecting Agency

WASHOE COUNTY LABORATORY

Collection Date (mm/dd/yyyy)

Collection Code

☐

Probation

☐

Sex Offender Registration

☐

Incarceration

☐

Interstate Compact

☐

Parole

Collector Name

STEVE GRESKO

[Demographic Information](#)[Review and Submit](#)

Current Practice After Collection

- ◎ In the North: The collection kit is sealed and sent to the Central Repository in Carson City for fingerprint verification. Kits are then sent to the WCSO Laboratory for DNA analysis.
- ◎ In the South: The collection kit is sealed and sent directly to the LVMPD laboratory for DNA analysis. Prints are verified only when a DNA profile matches to a crime scene DNA profile.

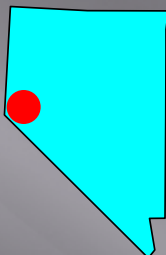
Future Plans for Collection

- Fingerprints will be electronically captured and searched against the prints on file with the central repository
- The results of the fingerprint search will be linked to collection of the DNA kit eliminating the need to send them to the repository for print confirmation
- The kits will be sealed into an envelope and sent to the laboratories.

Note: Arrestee samples that do not have confirmed PC will be rejected and destroyed. They will not be received at the laboratory. LVMPD and WCSO have elected different strategies to comply with this requirement.



**Local DNA Database
(Las Vegas Metropolitan Police)**



**State DNA Database
(Washoe County Sheriffs Office)**



**National DNA
Database (FBI)**



All Other States

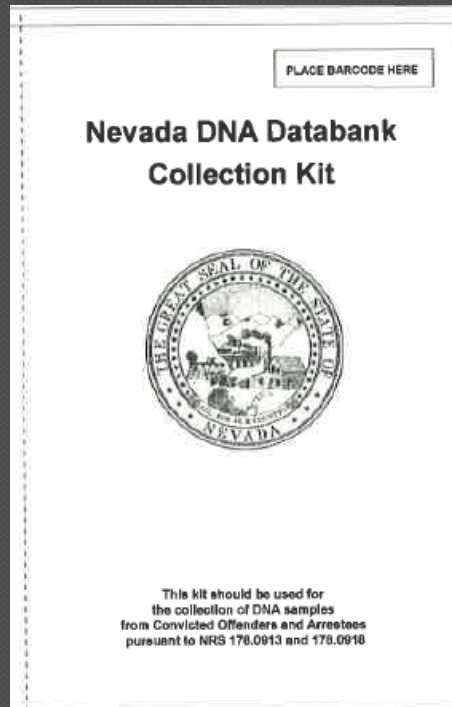


**Offender and Crime Scene
DNA Profiles**

The Hit Process

- ◎ Offender Hits must be confirmed
- ◎ This process is mandated by the FBI
 - Offender samples have no C.O.C.
 - The sample is pulled and re-typed
 - The fingerprints are confirmed
 - Once the DNA profile is confirmed a report is issued releasing the name
 - Police must then collect a reference sample from the suspect to confirm the case match

Production Costs



**The Nevada DNA
Databank
Collection Kit
with an FTA DNA
collection card is
approximately
\$7.00 per kit**

DNA Processing Costs

The DNA process from card to DNA profile uploaded in CODIS is \$40 to \$50 per sample.

- Cutting/Extraction
- Quant/Amplification
- Electrophoresis
- Data Analysis/Review/Upload

Other Costs

- ◎ Software Costs for STaCS and DNA processing equipment
- ◎ Annual maintenance for lab equipment and reagent QC
- ◎ Receiving and Storing Offender Kits
- ◎ Researching Offender Kits
(Confirming PC, Expungement requests, etc.)

Total Cost

- ◎ The exact number is difficult to quantify but we estimate that it costs around \$75 to collect a sample, get it to the lab, qualify it for processing, develop a DNA profile, put the profile into CODIS, and maintain the sample and the documentation for that sample indefinitely

Implementation Costs

- ◉ Re-work of STaCS to accommodate Arrestee's (Cost is unknown at this time)
- ◉ Hiring Office Support Specialist (\$60,000 - \$80,000)
- ◉ Hiring Criminalist (\$68,000 - \$88,000)
- ◉ Re-design and Bulk order of kits (\$315,000 for 45,000 kits 1 year estimate)
- ◉ Setup and training for the arrestee collection sites

Expungement

- ◎ Expungements are performed now when the laboratories are informed that a conviction has been overturned or changed to a charge that does not qualify
- ◎ Federal law requires that the lab expunge any offender sample they learn does not qualify for inclusion in CODIS

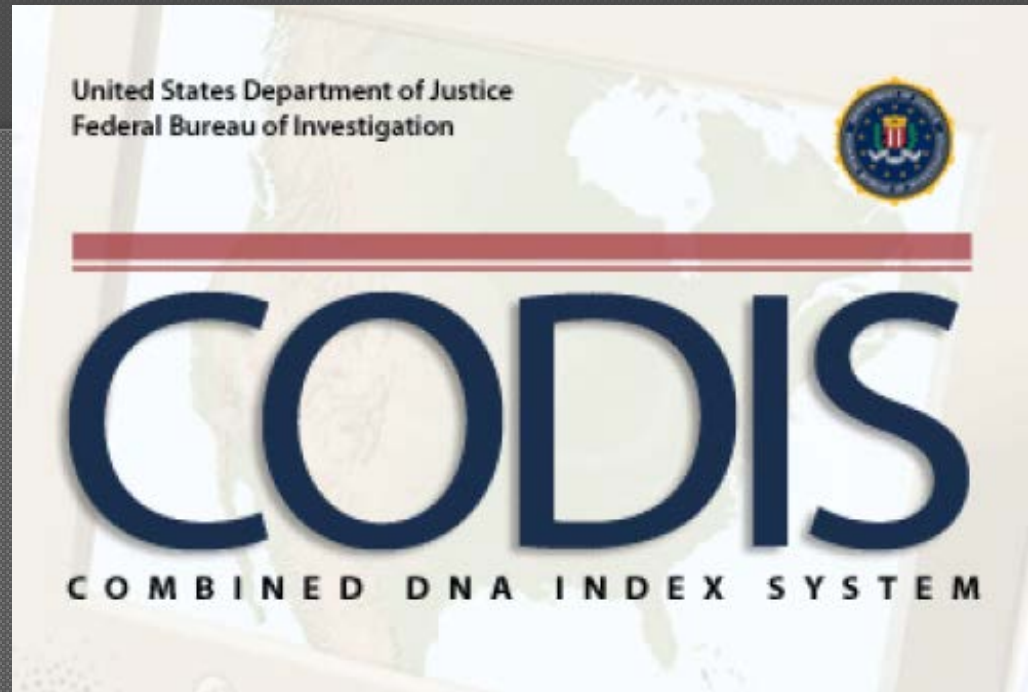
Expungement Steps

- ◎ The DNA profile is deleted from CODIS
- ◎ The biographical record is deleted from STaCS
- ◎ The collection kit is destroyed

Future Expungement Steps

- ◎ The labs will continue to expunge any sample they learn does not qualify for inclusion in CODIS
- ◎ Official notifications from the repository that an arrestee sample no longer qualifies will have an NCIC check performed to confirm another qualifying offense does not exist.

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