Directors Briefing

Yogesh Chawla
Director, Software and Engineering

Becki Goggins
Director, Law and Policy

Tim Lott
Director, Cybercrime and Digital Forensics

Derek Veitenheimer
Director, Research and Statistics

SEARCH Board of Directors Meeting
July 24, 2023
Survey of State Criminal History Information Systems (SSCHIS)

Administered since 1989 - https://www.search.org/resources/surveys/

2022 Survey

- Distributed after NCHIP and NARIP deadlines
- Responses due August 15, 2023
- Submission to BJS for review October 2023
- Publication early to mid-year 2024
Utility of maintaining very old (or very new) records in disposition rates

Identification of duplicate and/or warrant arrests lacking disposition information

Structure of criminal history repositories
- Dedicated v. centralized information technology staff
- Tenure of repository leadership (civilian v. sworn staff)
- Staffing levels (data entry, validation, auditing, training, etc.)

Funding for state criminal history repositories

Reporting agency capabilities
- Prevalence of electronic reporting
- Prevalence of centralized case/record management systems
- Court unification
### Assessment of State Criminal History Repositories

<table>
<thead>
<tr>
<th>States with disposition rate &gt;= 90%</th>
<th>States with disposition rate &lt;= 50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Iowa</td>
<td>41. Arizona</td>
</tr>
<tr>
<td>2. Connecticut</td>
<td>42. Idaho</td>
</tr>
<tr>
<td>3. Hawaii</td>
<td>43. Tennessee</td>
</tr>
<tr>
<td>4. Maryland</td>
<td>44. Kentucky</td>
</tr>
<tr>
<td>5. New Jersey</td>
<td>45. California</td>
</tr>
<tr>
<td>7. Delaware</td>
<td>47. Louisiana</td>
</tr>
<tr>
<td>8. Vermont</td>
<td>48. Colorado</td>
</tr>
<tr>
<td>9. North Dakota</td>
<td>49. Massachusetts</td>
</tr>
<tr>
<td>10. Alaska</td>
<td>50. Mississippi</td>
</tr>
</tbody>
</table>
State Assessments – Major Activities and Deliverables

Virtual and on-site listening sessions, training and technical assistance

Promising practices learned from high performing states

Documentation of common (and unique) challenges for states with low disposition rates

Strategies for improvement for low performing states
Short-term goals (September 2023)

- Improving disposition completeness
- Improving NICS reporting

Mid-term goals (March 2024)

- Engagement with technical and operations committees of ICJIS Board
- Strategic vision and planning document
- Roadmap to improved information sharing
Virginia State Police – RAP Back Project

Reengineering civil rap back program
  • Name-based background checks
  • Fingerprint background checks

Revising standard operating procedures

Staffing and training assessment

FBI non-criminal RAP back implementation
Criminal History Metrics Projects and CCH Metrics Workgroup
• Active data quality metrics dashboard projects
  – Arkansas
  – Connecticut
  – Maine
  – Michigan
  – Washington

• State profile dashboard development
Criminal History Metrics

State Criminal History Records Profiles - 2018

Total Subjects: 2.63M
Total Arrests: 2.05M

Arrests with Dispositions: 65%
Arrests with Dispositions (past 5 years): 58%
Dispositions without Arrest: 13%

Updated 7/1/2023
Criminal History Metrics

- Reconvening the CCH Metrics Working Group
- Development of universal measures of CCH operations and data quality
- Development and refinement of CCH metrics visualizations and reporting tools
Criminal History Metrics

CCH Analytics - Arrest (2014-2023)

Arrests by Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Arrests</th>
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<tbody>
<tr>
<td>2014</td>
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<tr>
<td>2016</td>
<td>109095</td>
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<tr>
<td>2018</td>
<td>115635</td>
</tr>
<tr>
<td>2019</td>
<td>110471</td>
</tr>
<tr>
<td>2020</td>
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<tr>
<td>2022</td>
<td>116540</td>
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<tr>
<td>2023</td>
<td>93374</td>
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Arrests by Month (Cumulative)

<table>
<thead>
<tr>
<th>Month</th>
<th>Arrests</th>
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<tbody>
<tr>
<td>January</td>
<td>87607</td>
</tr>
<tr>
<td>February</td>
<td>80318</td>
</tr>
<tr>
<td>March</td>
<td>80450</td>
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<tr>
<td>April</td>
<td>82486</td>
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<td>May</td>
<td>79090</td>
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<td>June</td>
<td>83077</td>
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<td>July</td>
<td>83092</td>
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<td>August</td>
<td>81692</td>
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<td>September</td>
<td>83878</td>
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<td>October</td>
<td>79986</td>
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<tr>
<td>November</td>
<td>78825</td>
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<td>December</td>
<td>70565</td>
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Arrest Charge by Charge Severity

<table>
<thead>
<tr>
<th>Charge Severity</th>
<th>Arrest Charge</th>
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<tbody>
<tr>
<td>OTHER</td>
<td>202291</td>
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<tr>
<td>FELONY</td>
<td>483105</td>
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<tr>
<td>MISDEMEANOR</td>
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Arrest Charge by Charge Class

<table>
<thead>
<tr>
<th>Charge Class</th>
<th>Arrest Charge</th>
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<tr>
<td>(Blank)</td>
<td>844182</td>
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<td>CLASS A FELONY</td>
<td>7088</td>
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<tr>
<td>CLASS B FELONY</td>
<td>96814</td>
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<tr>
<td>CLASS C FELONY</td>
<td>103071</td>
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<td>CLASS D FELONY</td>
<td>244166</td>
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<tr>
<td>CLASS C MISDEMEAN</td>
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<tr>
<td>CLASS U MISDEMEAN</td>
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Arrest Charge by Charge Category

<table>
<thead>
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<th>Charge Category</th>
<th>Arrest Charge</th>
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<td>Violent</td>
<td>194454</td>
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<td>Property</td>
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<tr>
<td>Society</td>
<td>847099</td>
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<tr>
<td>Drug</td>
<td>221415</td>
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<tr>
<td>Other</td>
<td>232552</td>
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</table>
CCH Metrics – What to Look Forward to

CCH Data Quality - Disposition Reporting

83% Arrests with Final Dispositions
Up 2% from 2020

Court Disposition by Disposition Type

Court Dispositions by Status

- Final Disposition
- Interim Disposition
- No Disposition
### CCH Metrics – What to Look Forward to

#### Total Arrests

#### Total Dispositions

#### Disposition Rate

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**Disposition Rate**

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<table>
<thead>
<tr>
<th>County</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
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<tbody>
<tr>
<td>Adams</td>
<td>89.7</td>
<td>92.6</td>
<td>95.6</td>
<td><strong>76.4</strong></td>
<td>91.6</td>
<td>91.7</td>
<td>84.3</td>
<td>95.4</td>
<td>95.8</td>
<td>98.6</td>
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<tr>
<td>Brown</td>
<td>86.8</td>
<td>82.3</td>
<td>91.9</td>
<td>95.1</td>
<td>79.6</td>
<td>85.7</td>
<td>86.3</td>
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<tr>
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<td>93.4</td>
<td>92.8</td>
<td>95.4</td>
<td>93.7</td>
<td>93.1</td>
<td>94.2</td>
<td>95.6</td>
<td>93.6</td>
<td>93.2</td>
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<tr>
<td>Chelan</td>
<td>93.2</td>
<td>95.7</td>
<td><strong>99.4</strong></td>
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<td>89.7</td>
<td><strong>83.5</strong></td>
<td><strong>83.5</strong></td>
<td>91.3</td>
<td>93.5</td>
<td>88.9</td>
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<tr>
<td>Calif</td>
<td>90.0</td>
<td>88.3</td>
<td>90.0</td>
<td>92.8</td>
<td>96.0</td>
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<td>98.0</td>
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<td>Franklin</td>
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<td>94.6</td>
<td>94.4</td>
<td>93.9</td>
<td>93.3</td>
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<tr>
<td>Green</td>
<td>95.4</td>
<td>94.1</td>
<td>93.9</td>
<td><strong>89.1</strong></td>
<td><strong>63.2</strong></td>
<td>91.6</td>
<td>91.9</td>
<td><strong>88.1</strong></td>
<td>93.7</td>
<td>93.3</td>
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<tr>
<td>Hastings</td>
<td>97.4</td>
<td>96.7</td>
<td>96.1</td>
<td>96.7</td>
<td>95.4</td>
<td>96.1</td>
<td>95.2</td>
<td>93.2</td>
<td>97.4</td>
<td>96.5</td>
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<tr>
<td>Kittie</td>
<td>86.5</td>
<td>83.1</td>
<td>83.6</td>
<td>83.6</td>
<td>81.9</td>
<td>83.2</td>
<td>83.5</td>
<td>94.1</td>
<td>84.3</td>
<td>84.9</td>
</tr>
</tbody>
</table>

*Note:*

- **YELLOW** = 1.5 Standard Deviations
- **RED** = 2 Standard Deviations
NIBRS Metrics and Data Processing Resources
NIBRS Metrics and Resources

• Fast and accurate NIBRS file processing
• NIBRS to Summary conversion tool
• NIBRS data dashboards
  – Developing simple, clear, and descriptive methodology used in deriving counts
  – Developing incident drilldown and lookup capabilities
Welcome to the NIBRS Services Toolset

The NIBRS Services Toolset provides law enforcement agencies, state UCR programs, and other users with tools to process and understand NIBRS data.

1. Free to use
2. Must create an account to access tools

**NIBRS Pre-Certification Tool (PCT)**
- Pre-checks NIBRS records to identify submission or validation errors
- Accepts NIBRS data in flat file format or XML formats
- Applies the FBI’s 2019.1 NIBRS validation rules. Produces a list of errors following the standard FBI error file format
- Errors may be downloaded for resolution as Excel, CSV or PDF
- Records are automatically deleted unless saved by the user

**NIBRS to Summary Reporting Tool (N2S)**
- Converts NIBRS data to B Summary UCR reports
- Compares NIBRS crime counts to prior crime counts reported under the summary reporting System
- Reports are produced interactively
- May be downloaded as Excel spreadsheet
- Must first run PCT to be able to access N2S

Create an Account or Log In

The NIBRS Services Toolset is free to use, but users are required to create an account in order to access the tools. Registration ensures that only authorized users have access to their NIBRS data, and enables SEARCH to contact users when updates. Account information will not be shared with any third parties, nor will we use registration information for marketing.
NIBRS Metrics and Resources

NIBRS DATA QUALITY DASHBOARD
Incidents & Offenses

Agency Name: All
Offense Category: All
Year(s): 2022
State: Maine

Crime Over Time
Number of offenses and incidents by month

Offenses by Offense Type

- Animal Cruelty: 47
- Arson: 159
- Assault Offenses: 3655
- Bribery: 4
- Burglary/Breaking & Entering: 3688
- Counterfeiting/Forgery: 474
- Destruction/Damage/Vandalism: 3666
- Drug/Narcotic Offenses: 40
- Embezzlement: 69
- Extortion/Blackmail: 2683
- Fraud Offenses: 0
- Gambling Offenses: 3
- Human Trafficking Offenses: 3

Number of offenses
Thank You

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Director, Research and Statistics
derek@search.org
(262) 903-3465
Software and Data Engineering Program

Yogesh Chawla, Director
Membership Group Meeting
July 24, 2023
Software and Data Engineering Team

Haiqi Wei  
Michael Mackay  
Jim Douglas

• **Contract Employees**  
  • Haiqi Wei – Technical Lead  
  • Jim Douglas – Data transformation and analytics specialist  
  • Michael Mackay – Software Developer
• **Open Justice Broker Consortium (OJBC)**
  – Provide common open-source solutions to shared information sharing challenges

• **Information Sharing Solutions through grants and contracts**
  – Custom software development services.
  – Complement existing vendor solutions.

• **Analytics and Dashboards**
  – Criminal history
  – Law Enforcement Records Management Systems
  – NIBRS Repositories
  – Jail Dashboards
OJBC – Members and Contracts

• **OJBC Members**
  – Maine
  – Hawaii
  – Vermont
  – Michigan
  – New Mexico

• **Contracts**
  – Oklahoma - Disposition management
  – Hawaii NIBRS – NIBRS repository hosting and public information dashboards.
  – Interstate Compact Transfer – Subscription and Notification Service
  – Hawaii – Prosecution Federated Query and prosecution decision reporting
Project Highlights

• **Michigan Prosecution Decisions**
  – Sending prosecution decision updates to the Criminal History Repository. Deployed to first of 7 counties in 2023.

• **Hawaii Prosecutor Federated Query Integration**
  – Authorized Criminal Justice personnel can search on court case details by person.
  – Prosecution Decision exchanges.

• **Interstate Compact Warrant Hit Notifications**
  – Service that sends notifications to supervision officials when arrest warrants are issued for offenders whose supervision has been transferred to another state.
  – The service is in production in Kansas and Arizona and in process with Ohio.
  – -Grant funding available to add additional states in the next year.
- **Vermont**
  - Warrant workflow management and document storage
  - Statewide traffic ticket routing and processing.
- **Maine**
  - Disposition reporting updates to the Criminal History
- **Hawaii**
  - NIBRS program management and FBI submissions.
  - RapBack subscription and notification services.
- **Michigan**
  - Law Enforcement to Prosecution Charge Referral and Prosecution Decision reporting to the Criminal History.
How can we help you?

- Provide direct solutions and services to our members
- How can we help?
  - Analysis of current systems
  - Software architecture and implementation services
  - Provide resources on integration best practices
  - Help you develop and review RFPs
  - Strategic planning

Example Projects

- Rapback, NIBRS flat file conversion, improving disposition reporting, integration with existing systems, providing secure access to Criminal History data and analytics dashboards.
Cybercrime and Digital Forensics Program

Timothy Lott, Director
2023 Annual Meeting

July 24, 2023
Training Team and Digital Forensics Team

Timothy Lott

Eric Jollymore

Lauren Wagner

• **Contract Employees**
  • John Trenary – Current law enforcement
  • George Vasiliou – Retired law enforcement
  • Jonithan Funkhouser – Current law enforcement
  • Christopher Dale – Current law enforcement
  • Melinda Gobron – Retired law enforcement
  • Dean Chatfield – Retired law enforcement
  • Scott King – Retired law enforcement
• **What we have to offer**
  
  – Instructor-led training
  – Modular course and conference blocks
  – Practical operational assistance
  – Website resources
  – Self-paced online training
• ISP List
  – 306,333 hits in the past 6 months
• Law Enforcement Guides
  – Over 10,000 documents distributed
• SEARCH Investigative and Forensics Toolbar
• Publications
• eLearning Access
  – Over 250 new eLearning students
Training and Technical Assistance

45 States with Training and/or Technical Assistance

Training: 2,567
Technical Assistance: 145
Current Projects

• ICAC National Training and Technical Assistance Program
  – Direct training to ICAC Task Forces
  – Conference Presentations/Trainings
  – Technical Assistance Program
Current Projects

• ICAC Strengthening Investigative Tools
  – Enhancing ISP List
  – Aggregating disparate sources of information

• Partnership with National District Attorneys Association
  – Provide 12 courses
    • High-Tech Crime for Prosecutors
    • Computer Forensics for Prosecutors
Current Projects

• Digital Forensic Services
  – Contract with California Department of Justice (Cal-DOJ) Division of Medi-Cal Fraud and Elder Abuse (DMFEA)
  – Assist with On-Scene collection of digital evidence
  – Provide examination services for individual cases
    • Over 100TB of data collected and analyzed in last year
    • Over 2000-man hours in last year

• Contract extension through June 2026
• Not to exceed amount 3.8 million
• Continuation of ICAC National Training and Technical Assistance
  – 4 Hands-on 3-Day courses
  – 5 Conferences
  – Publication dissemination
  – ISP list additions

• 12 ICAC Tools Trainings
• 12 Virtual courses
2023/ 2024 Priorities

• Expansion of SEARCH Digital Forensics Services
  – Working with other state and local jurisdictions to provide digital forensics services

• Further development of Cybersecurity/Information Systems Security program
Questions