

Directors Briefing

Becki Goggins, Law and Policy Program

Mark Perbix, Information Sharing Program

Yogesh Chawla, Software Development and Engineering

Tim Lott, Cybercrime and Digital Forensics

**Membership Group Meeting
January 24, 2023**



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Law and Policy Program

Becki Goggins, Information Systems Specialist

Membership Group Meeting

January 24, 2023



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Law and Policy Projects

- **Survey of State Criminal History Information Systems, 2020 – Blogs and White Papers**
 - Disposition reporting rates – What do they mean and why should we care?
 - State participation in the Interstate Identification Index, Compact Council and National Fingerprint File
 - Cite and release practices and the impact of COVID-19
 - Criminal history data quality audit practices
 - Sealing and expungement practices
 - Criminal history repository performance metrics
- **“Mini-Survey” of State Criminal History Information Systems, 2022**
 - Next survey will be an abbreviated version of traditional survey
 - Full SSCHIS surveys will be administered on a 4-year cycle starting with 2024 survey
 - New cite and release data collection

State Disposition Reporting Rates

Persistently Low Disposition Reporting Percent of All Arrests with a Final Disposition

| State | 2012 | 2014 | 2016 | 2018 | 2020 | 5 Survey Average % |
|-----------|------|------|------|------|------|--------------------|
| ID | 49 | 50 | 51 | 60 | 52 | 52 |
| IN | 47 | 46 | 50 | 56 | 57 | 51 |
| DC | | 43 | | 24 | 60 | 42 |
| KY | 40 | 38 | 42 | 42 | 43 | 41 |
| AL | 34 | | 36 | 36 | 37 | 36 |
| NM | | 24 | 25 | 25 | 58 | 33 |
| LA | | 21 | 20 | 26 | 27 | 24 |
| CO | | 19 | 21 | 26 | 26 | 23 |
| MA | | | 11 | 18 | 22 | 17 |
| MS | 13 | 14 | 14 | 13 | 16 | 14 |

State Disposition Reporting Rates (Cont.)

Persistently High Disposition Reporting Percent of All Arrests with a Final Disposition

| State | 2012 | 2014 | 2016 | 2018 | 2020 | 5 Survey Average % |
|-----------|------|------|------|------|------|--------------------|
| MD | 97 | 98 | 97 | 96 | 94 | 96 |
| HI | 94 | 95 | 96 | 96 | 96 | 95 |
| IA | 96 | 92 | 91 | 98 | 98 | 95 |
| VT | 92 | 93 | 94 | 93 | 93 | 93 |
| NY | 89 | 90 | 91 | 91 | 94 | 91 |
| WA | 95 | 96 | 85 | 87 | 88 | 90 |
| NJ | 84 | 88 | 91 | 91 | 94 | 90 |
| VA | 87 | 88 | 88 | 89 | 89 | 88 |
| NC | 85 | 85 | 83 | 84 | 82 | 84 |
| ME | 81 | 82 | 82 | 82 | 84 | 82 |

L & P Projects Continued

- **Criminal history improvement workshops (November 2022) - CT, DE, MA, ME, NH, RI and VT**
- **Alaska on-site audit (October 2022)**
- **Washington State record vacation project update**
- **Clean Slate research and analysis**
- **Inventory and summary of state rap sheets**
- **CCH metrics inventory and report**

Washington State Record Vacation Project Update

- **Contract with Washington Office of Financial Management through June 30, 2023**
- **SEARCH is tasked with conducting a feasibility study and making recommendations regarding the establishment of a system for streamlining the vacation of criminal conviction records**
- **SEARCH's role**
 - Documentation of common practices and recommendations for how best to implement streamlining measures
 - Assess available data sources
 - Suggest technology measures and provided cost estimates for implementation
- **Legislative reports and presentation of findings (Spring 2023)**

Clean Slate Initiative

- **SEARCH's role is to document technical and operation challenges and opportunities for states seeking to implement state-initiated record clearance procedures**
- **SEARCH produced detailed profiles for 11 states – CO, CT, DE, LA, MA, MI, MO, NY, PA, TX and UT**
- **Summary report of findings**

Inventory and Summary of State Rap Sheets

- **Inventory of rap sheet data from 43 states that provided sample anonymized rap sheets**
- **Purpose: to compare and highlight commonalities and gaps across state rap sheets**
- **Goal: Inform Membership about actual use of data in rap sheets and potential changes or additions to JTF standard**

CCH Metrics

- **Working group meetings**
 - Define universal metrics
 - Dashboard prototypes and specifications
- **Follow up with 31 states that reported CCH metric capabilities**
 - Telephone interviews
 - Summary report
 - Promising practices workshop (July 2023)
- **Dashboard development**
 - Current/past projects– AR, CT, ME, TN
 - New projects – MI, TX, WA*

Information Sharing Program

Mark Perbix, Director

Membership Group Meeting

January 24, 2023

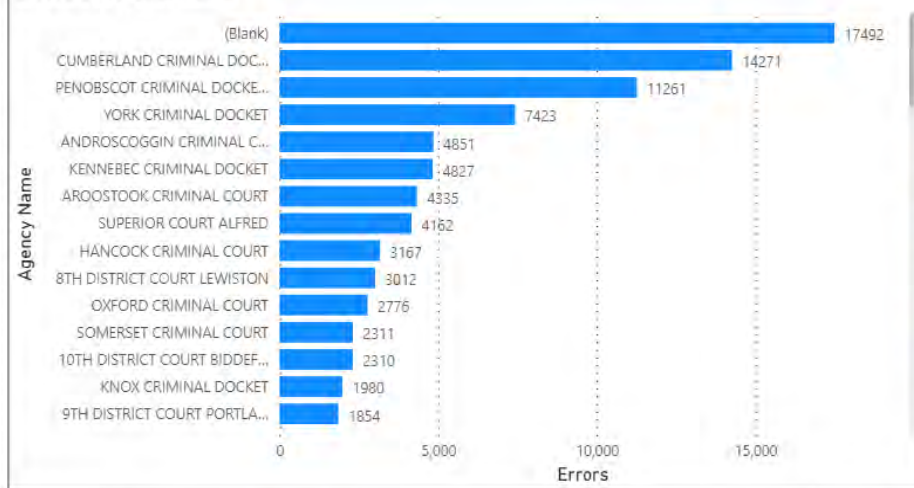
CCH Analytics Work/Dashboards

- **Participating States**
 - AR, CT, ME, TN, NJ (2022)
 - AR, CT, ME, MI, WA (NV and MS later in 2023)
- **State CCH Data Quality Monitoring - Data Dashboards to monitor KPIs**
 - Phase 1 – Prototype CCH Dashboard (CT, TN, NJ)
 - Phase 2 – Analysis of Error/Suspense file data and migration to Power BI (AR, CT, ME)
 - Phase 3 – Drill down and Advanced Analytics
- **Sentencing Disparity Study with University of Maryland (AR, CT, ME)**
- **Pending Project with A/V**

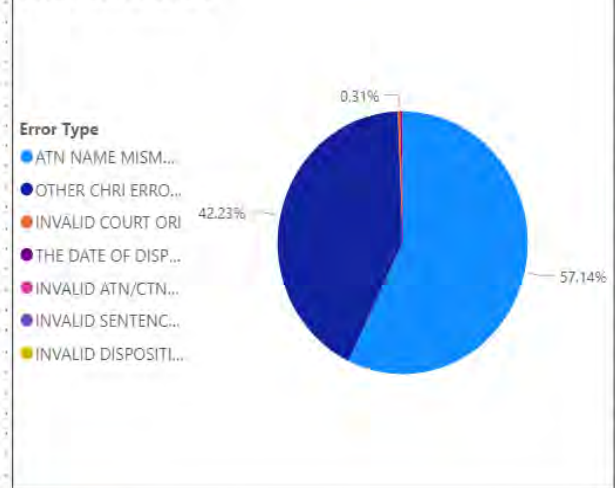


CCH Analytics - Suspense (2010-2022)

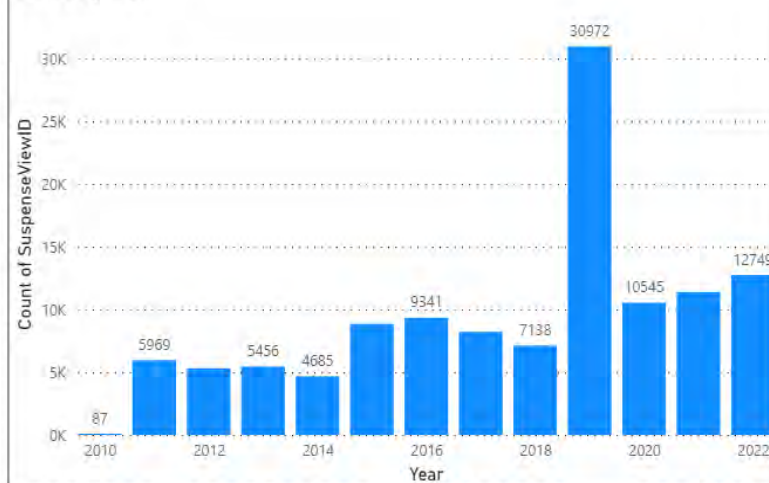
Errors by Agency Name



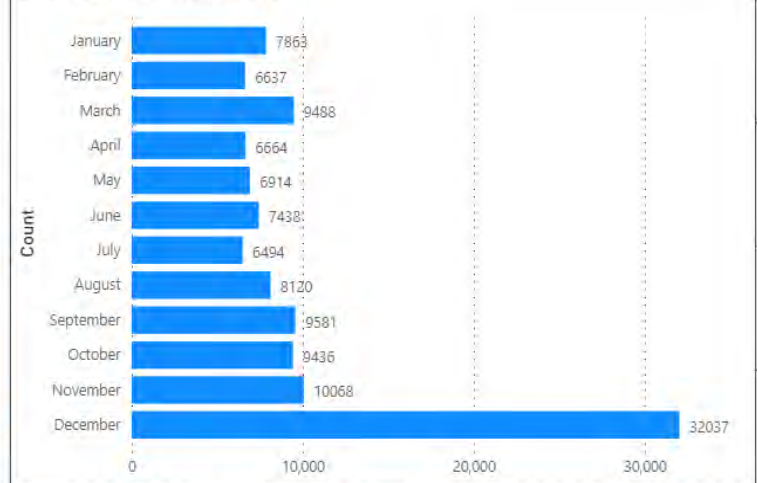
Suspense File Errors



Errors by Year



Errors by Month (Cumulative)





DEPARTMENT OF PUBLIC SAFETY
MAINE STATE POLICE
 STATE OF MAINE

CCH Analytics - Sus



ARKANSAS CRIME INFORMATION
CENTER



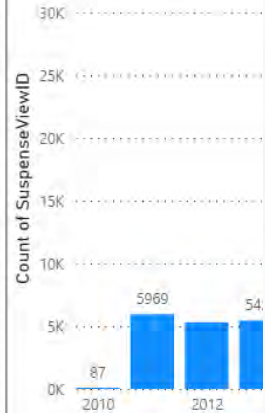
- Agency**
- Bent
 - AR D
 - BELLA
 - BENT
 - BENT

Errors by Agency Name

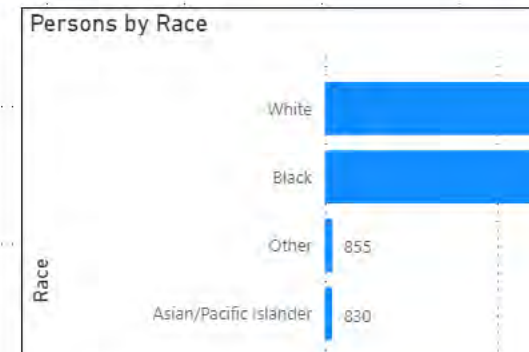
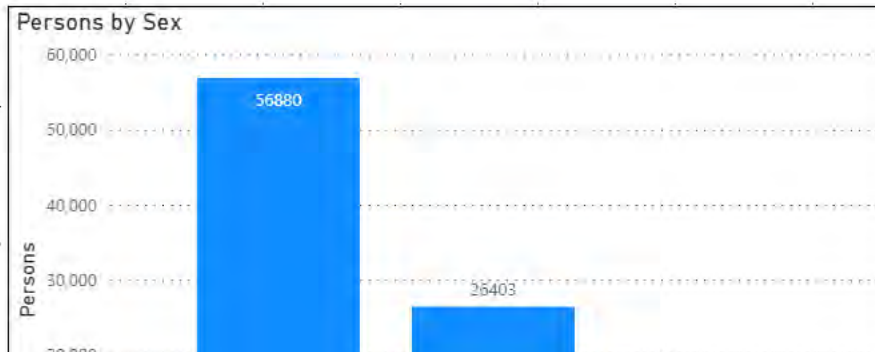
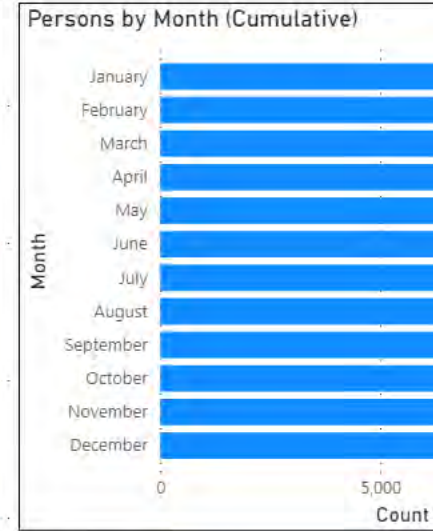
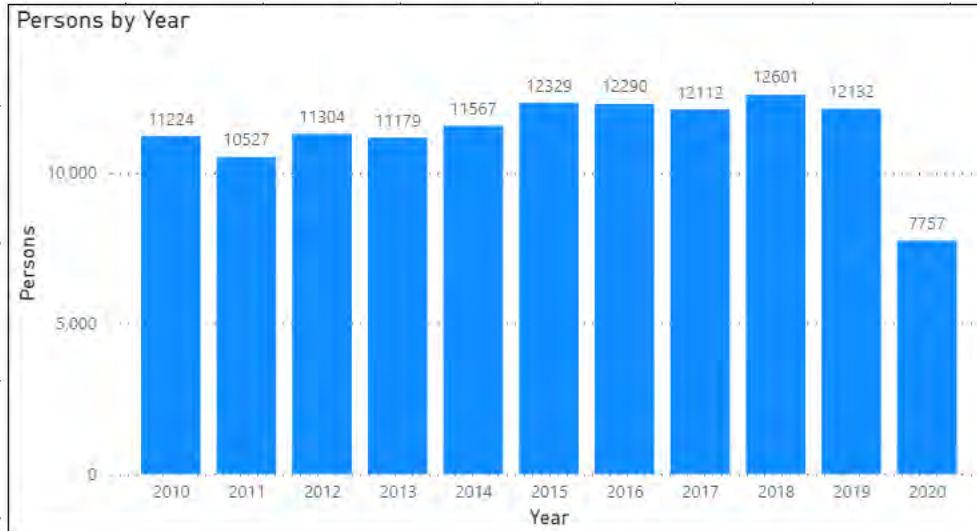
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| Agency Name |
|------------------------------|
| CUMBERLAND CRIMINAL DOC.. |
| PENOBSCOT CRIMINAL DOCKE.. |
| YORK CRIMINAL DOCKET |
| ANDROSCOGGIN CRIMINAL C.. |
| KENNEBEC CRIMINAL DOCKET |
| AROOSTOOK CRIMINAL COURT |
| SUPERIOR COURT ALFREE |
| HANCOCK CRIMINAL COURT |
| 8TH DISTRICT COURT LEWISTON |
| OXFORD CRIMINAL COURT |
| SOMERSET CRIMINAL COURT |
| 10TH DISTRICT COURT BIDDEF.. |
| KNOX CRIMINAL DOCKET |
| 9TH DISTRICT COURT PORTLA.. |

Errors by Year



CCH Analytics - Person (2010-2020)





DEPARTMENT OF PUBLIC SAFETY
MAINE STATE POLICE
 STATE OF MAINE

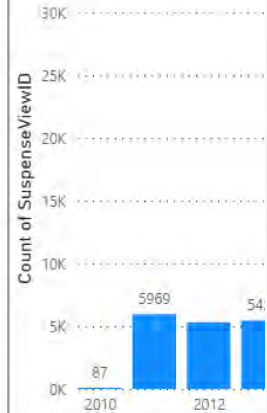
CCH Analytics - Sus

Errors by Agency Name

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| |
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| KNOX CRIMINAL DOCKET |
| 9TH DISTRICT COURT PORTLA.. |

Errors by Year



Person Arrest

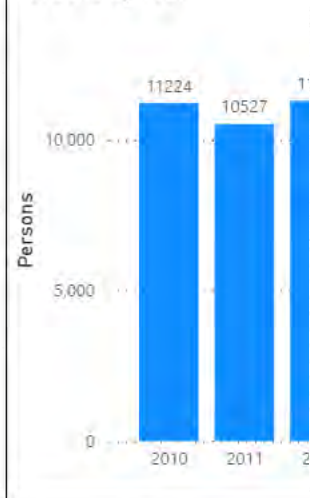


ARKANSAS CRIME INFORMATION
CENTER

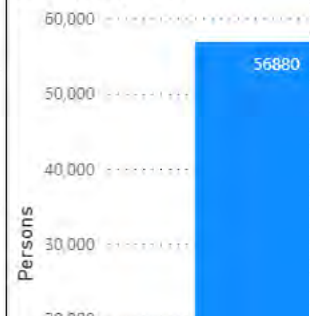
Criminal
 History

CCH Analytics - Pers

Persons by Year



Persons by Sex

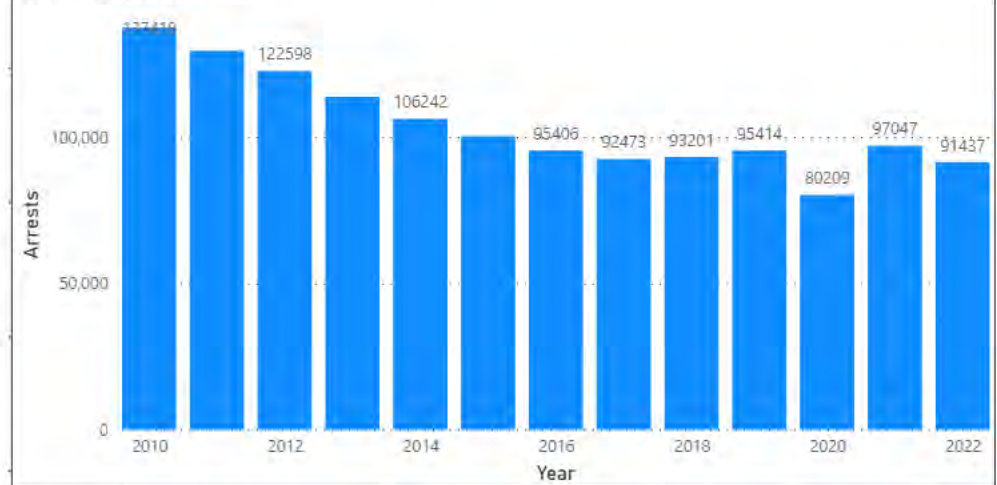


Department of Emergency
 Services and Public Safety

Criminal
 History

CCH Analytics - Arrest (2010-2022)

Arrests by Year



Arrest Charge by Charge Severity

| | |
|---------|---|
| (Blank) | 1 |
|---------|---|

Arrest Charge by Charge Class




- Agency
- Bent
 - AR D
 - BELLA
 - BENT
 - BENT

Major ISP Projects

- **Interstate Compact Transfer – Subscription and Notification Service**
 - KS and AZ (352/2552 hits on initial run)
- **NIBRS**
 - Support for HI data collection and reporting
 - Support for NIBRS Services Tool
 - Addition of flat file to XML submission file
 - Development of state-based analytics tool for data quality analysis using Power BI
 - Sunset the NIBRS Estimation and NCS-X Projects

NIBRS Services Tool

Home PCT/Save for Summary Reports N2S/Summary Reports Incident Record Search Delete Incident Records Flat File to XML NIBRS Dashboard 



Welcome to the NIBRS Services Toolset

You are now logged into the Toolset and can access the 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 explicitly saved by the user
- PCT limitations are explained [here](#)

NIBRS to Summary Reporting Tool (N2S)



- **Must first run PCT to be able to access N2S**
- Converts NIBRS data to Summary UCR Reports
Return A • Return A By Month and Year • Return A Supplement • ASR Adult/Juvenile • Arson • Human Trafficking • Cargo Theft • SHR Negligent/Non-Negligent
- Users may compare crime counts based on NIBRS data to prior crime counts reported under the Summary Reporting System
- Reports are produced interactively
- User may filter report contents
- May be downloaded as Excel spreadsheet
- Includes incident record search and record deletion capabilities

NIBRS Services Tool

[Home](#) [PCT/Save for Summary Reports](#) [N2S/Summary Reports](#) [Incident Record Search](#) [Delete Incident Records](#) [Flat File to XML](#) [NIBRS Dashboard](#) 



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<https://nibrs.search.org/nibrs-admin/>



NIBRS DATA QUALITY DASHBOARD

Incidents & Offenses



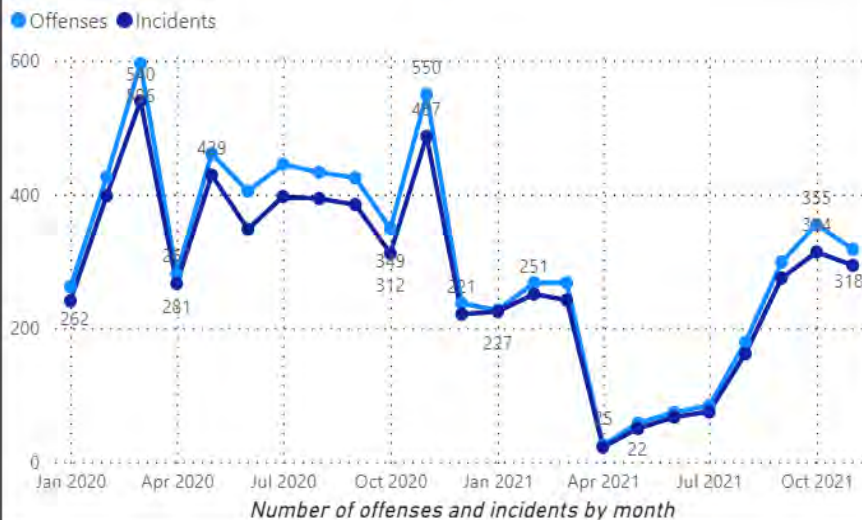
Agency Name
STATE POLICE

Offense Category
Multiple selections

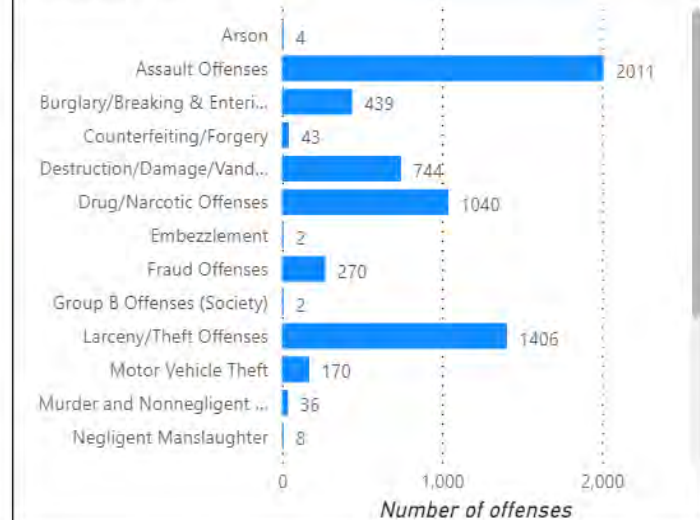
Year(s)
Multiple selections

State
Maine

Crime Over Time



Offenses by Offense Type



Incidents by Agency



Offenses by Agency



Partnerships

- **Nlets -**
 - Updating state statute and NCIC codes for DHS LENS Project
- **NCJA**
 - SAA strategic planning support
 - Developed tool to evaluation and compare strategic plans
- **ICAOS**
 - Fusion Center data transfer
 - RFP for replacement line-of-business system (ICOTS)

Other Projects

- **Completed Design Guidelines for Law Enforcement Dashboards**
 1. Reasons to develop a dashboard
 2. Concept of Operations
 3. Technical and Functional Requirements
- **Work with West Virginia**
 - Completed ConOps document for Information Sharing Environment
 - Develop Data Exchange Specification to Report Court Dispositions to the Repository

Software and Data Engineering Program

Yogesh Chawla, Director

Membership Group Meeting

January 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

SEARCH – Development and Solutions Services

- **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

SEARCH – NIBRS Dashboard

- INCIDENTS & OFFENSES
- OFFENDERS
- VICTIMS
- ARRESTEES
- INTIMATE PARTNER CRIMES
- HATE CRIMES
- PROPERTY CRIMES
- INCIDENTS BY DATE/TIME
- INCIDENT DETAILS



NIBRS DATA QUALITY DASHBOARD Incidents & Offenses

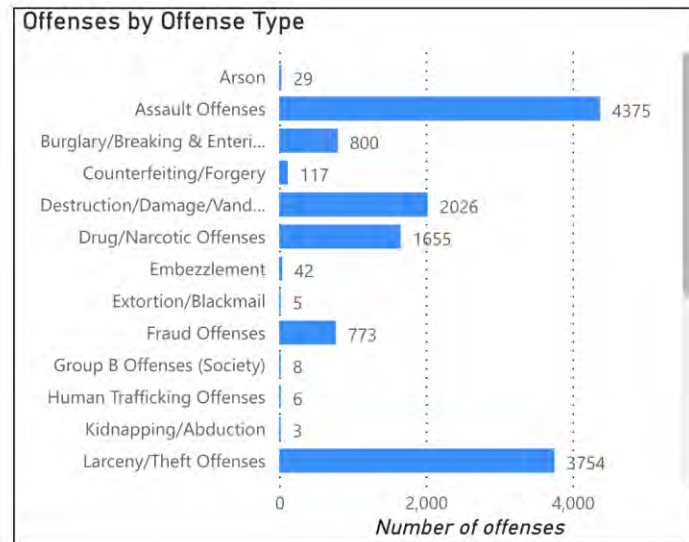
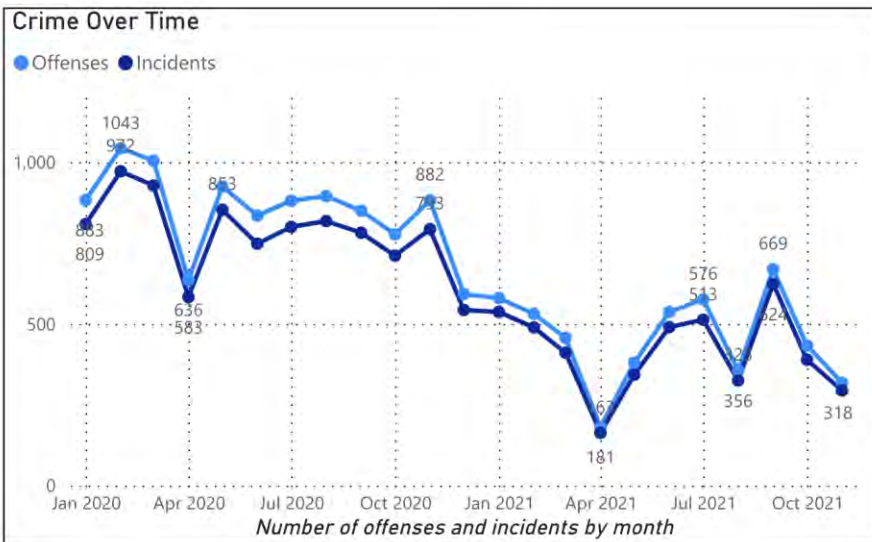


Agency Name
Multiple selections

Offense Category
Multiple selections

Year(s)
Multiple selections

State
Maine



SEARCH – Incident Analytics Dashboard

- Vehicle
- Major Crimes
- Burglaries
- OUI and Drugs
- Referrals
- Domestic Incidents
- Incident Details By Ca...
- Incident Details by Of...
- Incident Details by Cir...
- Ad Hoc Queries



Maine State Police Incidents Dashboard

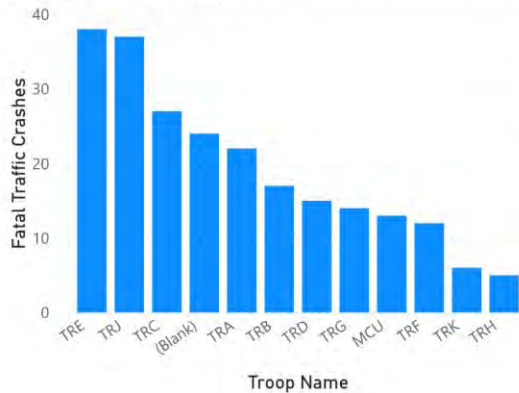
Total Incidents: **490484**
 Date Range: **01/01/2016 - 7/18/2022**
 Total Offenses: **196223**

Select Incident Date

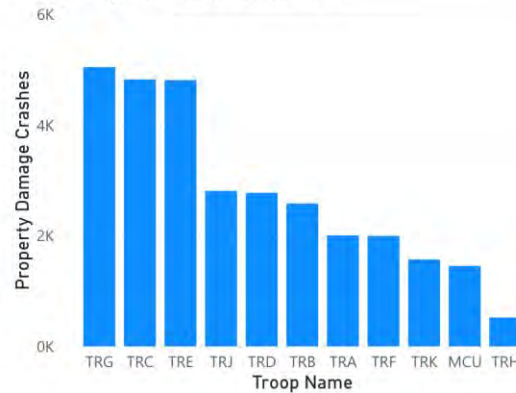
1/1/2016 7/18/2022



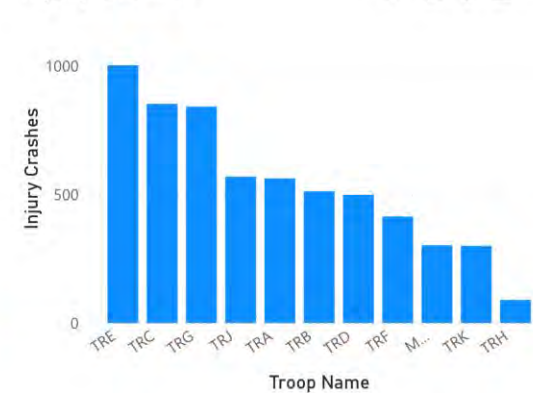
Fatal Traffic Crashes



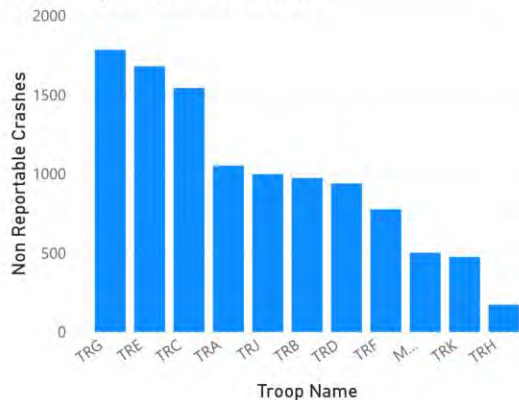
Property Damage Crashes



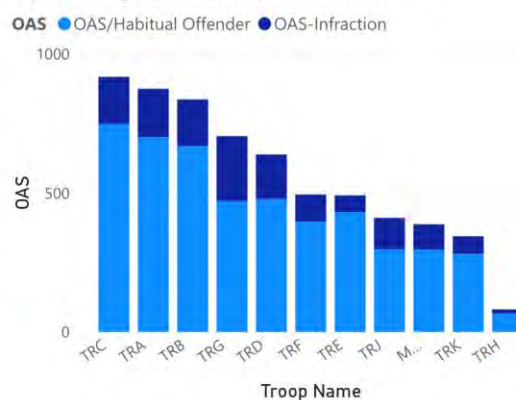
Injury Crashes



Non Reportable Crashes



Operating After Suspension (OAS)



Incident Details

OJBC – Members and Contracts

- **OJBC Members**

- Maine
- Hawaii
- Vermont
- Michigan
- New Mexico

- **Contracts**

- Oklahoma - disposition reporting tool and portal that allows users to add, edit and delete dispositions to arrest charges
- Hawaii NIBRS
- Interstate Compact Transfer – Subscription and Notification Service

New Contracts

- **Hawaii Prosecution Integration**
 - Provide a real time search capability for Prosecutions systems
 - Prosecution Updates to Juvenile Justice and Criminal History Repository

- **Hawaii NIBRS**
 - Add additional reporting agencies to the program.
 - Create a public facing dashboard with detailed metrics.

SEARCH – Critical Systems

- **Vermont**
 - Provides for document storage of all documents accompanying warrants
 - Tracks hierarchical relationships between warrant related documents
 - Approximately 320,000 warrant transactions processed annually
- **Maine**
 - Disposition reporting updates to the Criminal History
- **Hawaii**
 - Arrest identification tracking and civil Rap Back notifications
- **Michigan**
 - Law Enforcement to Prosecution Charge Referral

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.

2023 Program Goals

- **Expand development staff**
- **Increase participation in Criminal History metrics working group**
- **Improve NIBRS participation and work with additional jurisdictions on NIBRS data visualization**
- **Interstate Compact Transfer – Subscription and Notification Service**
- **Continue to focus on direct services to members by expanding OJBC membership and contract work**

Cybercrime and Digital Forensics Program

Timothy Lott, Director
Membership Group Meeting

July 21, 2022



search.org

Cybercrime and Digital Forensics Program

Timothy Lott, Director

2023 Winter Membership Group Meeting

January 24th, 2023

Training Team and Digital Forensics Team



Timothy Lott



Lauren Wagner

- **Contract Employees**

- John Trenary – Current law enforcement
- George Vasiliou – Retired law enforcement
- Eric Jollymore – Current law enforcement
- Jonithan Funkhouser – Current law enforcement
- Christopher Dale – Current law enforcement
- Melinda Gobron – Retired law enforcement
- Dean Chatfield – Retired law enforcement

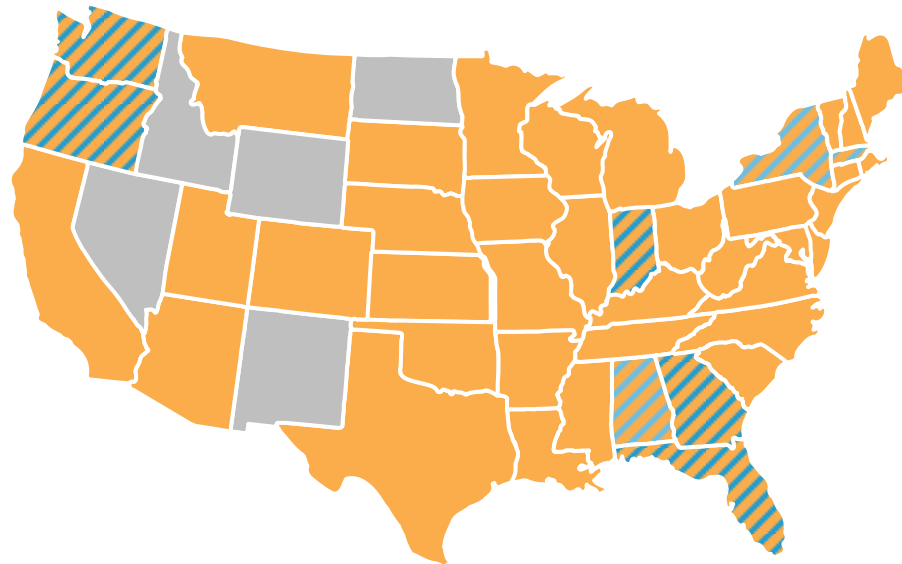
- **What we have to offer**
 - Instructor-led training
 - Modular course and conference blocks
 - Practical operational assistance
 - Website resources
 - Self-paced online training

- **ISP List**
- **Law Enforcement Guides**
- **SEARCH Investigative and Forensics Toolbar**
- **Publications**
- **eLearning Access**

Training and Technical Assistance



■ Training
1204



■ Technical Assistance
145

45 States with Training and/or Technical Assistance

Publications and ISP List

- **12,621 white paper and LE guide requests**
 - Distributing 65,000 documents
- **ISP List**
 - ~2800 Electronic Service Providers
 - 2 Million hits over the past year

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
 - Mobile Information and Knowledgebase Ecosystem (MIKE)
 - 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 2025**

2023 Priorities

- **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 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