How it started - 2010

- SEARCH had a history as a Technical Assistance Provider
- Through these technical engagements, states had common issues and challenges with system integration outside their existing vendor systems.
- Philosophy of building solutions for one project that had applications for others
How it started – Hawaii Strategic planning

• SEARCH worked with HIJIS to create a strategic plan
• Hawaii wanted to collaborate on and own the HIJIS Broker.
• Building block approach to development where one project builds on the previous project.
How it started – Hawaii Strategic planning

Conceptual Model of HIJIS Framework

- **Prosecutor**
  - Case Management System

- **Dept of Public Safety**
  - Offender Mgmt System
  - Parole Case Mgmt System

- **Intake Service Centers**
  - Case Management System

- **Probation**
  - Case Management System

- **Non-Justice Agencies**
  - Drivers License
  - Human Services
  - Health
  - Missing Child
  - DOT (Traffic)

- **Web-based User Interface**
  - Enterprise query functions
  - Email
  - Notifications & Alerts
  - Wireless Access

- **Tools**
  - System Admin
  - Monitoring & Management
  - Business Process Mgmt
  - Security
  - Auditing

- **Message Gateway**

- **Law Enforcement**
  - Local RMS
  - Green Box
  - Booking

- **Courts**
  - HAJIS
  - District Court
  - JIM S

- **HCJDC**
  - CJIS Hawaii
  - AFIS
  - Sex Offender
  - Warrants/Warrants
  - Firearms

- **Repository**
  - Business Process Maps
  - Schemes/ERDs
  - Transformation Maps

- **Other Justice Agencies**
  - VINES
  - JJS
  - Fusion Center
  - Federal (FBV/HS) Military

- **NCIC Nlets IAFIS**
How it’s going - 2024

• Open Source Code Repositories
  • OJBC
    — Maine, Vermont, Michigan, Hawaii
  • NIBRS
    — Hawaii, Maine, Vermont
• Criminal History Analytics
  — Maine, Michigan, Washington, Connecticut

• Server Deployments
  • Servers – 35
How it’s going - 2024

• Lines of Code – 6 million lines of code!!!
Past and Current Projects
Project Profile: Federated Query

OJBC FEDERATED QUERY

REASONS FOR SEARCH

Enter Search Criteria Here:

Purpose
On behalf of

SYSTEMS AVAILABLE FOR QUERY

Select all that apply.

☑ Vehicle Crash
☑ DOC
☑ Criminal History
☑ Mental Health/Firearms Prohibition
☑ Wildlife Licensing
☑ Professional Licensing
☑ Spillman

ADVANCED SEARCH: PERSON

NAME

FIRST NAME

- Starts With
- Exact Match

MIDDLE NAME

LAST NAME

- Starts With
- Exact Match

DOB

DOB

SEARCH CLEAR

IDENTIFIERS

SID #
FBI #
SSN (XXX-XX-XXXX)
DL/ID #
ISSUER
Federated Query: Search Profiles

- Criminal History (Hawaii, Maine)
- Warrants (Hawaii)
- Records Management Systems – Incidents (Hawaii, Maine, Vermont)
  - Spillman - Direct Access and Insight queries
  - Valcour
  - Custom Software Systems
- Vehicle search and crashes (Maine, Vermont)
- Professional Licensing (Maine)
Federated Query: Search Profiles

- Wildlife License Queries (Maine)
- Firearms and Firearms Prohibition Registries (Hawaii, Maine)
Notify Supervising Officers or Authorized Public Safety Personnel of events:

- Arrest, Incident Involvement, Vehicle Crashes, Citations, Court Case Decisions, Prosecution Actions
“I had a guy get arrested by Westbrook PD and the probationer did not tell them he was on probation. He probably would have slipped through if I had not gotten the notification. Instead, I was able to hold the guy, who was on a tear with his addiction, which probably would have led to him committing [more] crimes to further fuel his addiction.” - Maine

“Several times I have had offenders doing the ‘right thing’ and reporting criminal acts when I may not have ever known.” - Vermont

“The drug court has been using the HIJIS notifications to decrease the notification time to defense counsel and deputy prosecuting attorneys (DPA). In the past, these attorneys would have to wait to get reports from the Court or other sources. Now, they get same-day information.” - Hawaii
Building on Subscription Notification

Incident Report

- FBI-N-Dex
- E-Citation Courts
- Subscription Notification
- NIBRS
- Analytics
Record of Arrest and Prosecution BACK.

FBI service that allows authorized government agencies to receive notification of activity on individuals who hold positions of trust or who are under criminal justice supervision or investigation.

Eliminates the need for repeated background checks on a person from the same applicant agency.
Project Profile: RapBack

- One of the first national implementations was done for the State of Hawaii.
- Building on that, we are working with Virginia and their vendor to plan and design RapBack.
  - Working with states to build off lessons learned to avoid pitfalls.
  - Interviews with Hawaii, Missouri, Texas and Utah.
  - Shared resources such as Appendix 2, training documents and agency process flows.
Project Profile: RapBack

• **Open Source Implementation of Electronic Biometric Transmission Specification (EBTS)**
Building on Subscription Notification and RapBack

- Hawaii – Full RapBack implementation
  - Fingerprint retention
  - FBI Subscription Management
  - FBI Notification Routing and pre-notification
- Maine – Limited in-state notifications
  - Building on Person Search and Criminal History queries
  - In state subscription management
Project Profile: NIBRS Certification

NIBRS Pre-Certification Tools (PCT) – nibrs.search.org

- Pre-checks NIBRS records to identify submission or validation errors
  - Expedite certification process which could potentially take months.
  - Allows for comparable testing prior to submitting to the FBI
- Accepts NIBRS data in flat file format or XML formats
- Flat file to XML conversion tools
- Looking for future funding to provide all tools as a service
### Project Profile: NIBRS Certification

1270 of the 1302 records have been validated. In order to produce Summary Reports, you must save these records before proceeding.

Click on any column header to sort on the column. Hold down the shift key and click on any other column header to sort on secondary columns.

<table>
<thead>
<tr>
<th>Submission Date</th>
<th>Source Location</th>
<th>Action Type</th>
<th>ORI</th>
<th>Incident Number</th>
<th>Segment</th>
<th>Within Offense</th>
<th>Within Offender Arrestee Victim</th>
<th>Within Property</th>
<th>DE</th>
<th>Error Code</th>
<th>Rejected Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>201912</td>
<td>335</td>
<td>I</td>
<td>YTVSP0700</td>
<td>19A504560</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Project Profile: NIBRS to Summary Conversion

- **Report Types**
  - Return A
  - Return A Supplement
  - ASR Adult/Juvenile
  - Arson
  - Human Trafficking
  - Cargo Theft
  - SHR Negligent / Non-Negligent
### Project Profile: NIBRS to Summary Conversion

**RETURN A - MONTHLY RETURN OF OFFENSES KNOWN TO THE POLICE**

This report is authorized by law Title 28, Section 534, U.S. Code. While you are not required to respond, your cooperation in forwarding this report by the seventh day after the close of the month to Uniform Crime Reports, Federal Bureau of Investigation, Clarksburg, WV, 26306, will assist in compiling comprehensive, accurate national crime figures on a timely basis.

<table>
<thead>
<tr>
<th></th>
<th>1. CLASSIFICATION OF OFFENSES</th>
<th>2. Offenses reported or known to police (include &quot;unfounded&quot; and attempts)</th>
<th>3. Unfounded, i.e. false or baseless complaints</th>
<th>4. Number of actual offenses (column 2 minus column 3) (include attempts)</th>
<th>5. Total Offenses cleared by offenses or exceptional means (include column 6)</th>
<th>6. Number of clearances involving only persons under 18 years of age</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CRIMINAL HOMICIDE</td>
<td>Data Entry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>1. CRIMINAL HOMICIDE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>a. Murder/Nonnegligent Homicide</td>
<td>11</td>
<td>11</td>
<td>0</td>
<td>11</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>b. Manslaughter by Negligence</td>
<td>12</td>
<td>6</td>
<td>0</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>FORCIBLE RAPE TOTAL</td>
<td>20</td>
<td>287</td>
<td>0</td>
<td>287</td>
<td>124</td>
</tr>
<tr>
<td>6</td>
<td>a. Rape by Force</td>
<td>21</td>
<td>251</td>
<td>0</td>
<td>251</td>
<td>120</td>
</tr>
<tr>
<td>7</td>
<td>b. Attempts to commit Forcible Rape</td>
<td>22</td>
<td>36</td>
<td>0</td>
<td>36</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>ROBBERY TOTAL</td>
<td>30</td>
<td>67</td>
<td>0</td>
<td>67</td>
<td>45</td>
</tr>
<tr>
<td>9</td>
<td>a. Firearm</td>
<td>31</td>
<td>22</td>
<td>0</td>
<td>22</td>
<td>13</td>
</tr>
<tr>
<td>10</td>
<td>b. Knife and Cutting Instrument</td>
<td>32</td>
<td>9</td>
<td>0</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>11</td>
<td>c. Other Dangerous Weapon</td>
<td>33</td>
<td>5</td>
<td>0</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>12</td>
<td>d. Hands, Fists, Feet, etc.-Aggravated Injury</td>
<td>34</td>
<td>31</td>
<td>0</td>
<td>31</td>
<td>24</td>
</tr>
<tr>
<td>13</td>
<td>ASSAULT TOTAL</td>
<td>40</td>
<td>3546</td>
<td>0</td>
<td>3546</td>
<td>2710</td>
</tr>
<tr>
<td>14</td>
<td>a. Firearm</td>
<td>41</td>
<td>135</td>
<td>0</td>
<td>135</td>
<td>106</td>
</tr>
<tr>
<td>15</td>
<td>b. Knife and Cutting Instrument</td>
<td>42</td>
<td>122</td>
<td>0</td>
<td>122</td>
<td>98</td>
</tr>
<tr>
<td>16</td>
<td>c. Other Dangerous Weapon</td>
<td>43</td>
<td>116</td>
<td>0</td>
<td>116</td>
<td>93</td>
</tr>
<tr>
<td>17</td>
<td>d. Hands, Fists, Feet, etc.-Aggravated Injury</td>
<td>44</td>
<td>435</td>
<td>0</td>
<td>435</td>
<td>378</td>
</tr>
<tr>
<td>18</td>
<td>d. Other Assaults- Simple, Not Aggravated</td>
<td>44</td>
<td>2738</td>
<td>0</td>
<td>2738</td>
<td>2035</td>
</tr>
</tbody>
</table>

*Office Update: To keep up-to-date with security updates, fixes, and improvements, choose Check for Updates.*
Project Profile: NIBRS Dashboards

Demographic data are available for Individual and Law Enforcement Officer victims. Select a victim type to view data for a specific group.

<table>
<thead>
<tr>
<th>Victim Type</th>
<th>Total Victims</th>
<th>Victims with Unknown Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td>9102</td>
<td>56,279</td>
</tr>
<tr>
<td>Financial Institution</td>
<td>18</td>
<td>1,652</td>
</tr>
<tr>
<td>Government</td>
<td>770</td>
<td></td>
</tr>
<tr>
<td>Individual</td>
<td>59590</td>
<td></td>
</tr>
<tr>
<td>Law Enforcement Officer</td>
<td>470</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>Religious Organization</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Unknown</td>
<td>58</td>
<td></td>
</tr>
</tbody>
</table>

**Age of Victims**

- **Average Age**: 42.47
- **Median of Age**: 40.00
- **Most Common Age**: 29.00
### Project Profile: NIBRS Drilldown

**REPORT INFO**

<table>
<thead>
<tr>
<th>Action Type</th>
<th>Submission Month</th>
<th>Submission Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add Arrest</td>
<td>01</td>
<td>2024</td>
</tr>
</tbody>
</table>

**ARREST AGENCY**

<table>
<thead>
<tr>
<th>STATE</th>
<th>ORI</th>
<th>NAME</th>
<th>CITY INDICATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME</td>
<td>ME0150000</td>
<td>WASHINGTON</td>
<td></td>
</tr>
</tbody>
</table>

**ARREST**

<table>
<thead>
<tr>
<th>ATS</th>
<th>ARREST DATE</th>
<th>ARREST TYPE</th>
<th>OFFENSE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1004</td>
<td>2023-11-25</td>
<td>Summoned/Cited</td>
<td>All Other Offenses</td>
</tr>
</tbody>
</table>
Project Profile: High Risk Offender Notification

- Share probationer/parolee state-transfer information with law enforcement
  - Limited to subset of transfers deemed potentially dangerous
- Notifications include offender and mugshots
- Participating States: LA, NY, NH, WV, MT

ICAOS/ICOTS → State Fusion Center → Local Law Enforcement
• 859 notifications sent from July 1, 2023 to January 1, 2024
  – Louisiana – 100
  – Nevada – 140
  – New Hampshire – 97
  – Montana – 32
  – New York – 390

• Your state can receive these notifications by just asking!
So Many Projects...

- Criminal History Analytics
- Disposition Processing and Criminal History repository updates.
- Law Enforcement to Prosecution Charge Referral
- Electronic Warrant Processing and Packing
- Electronic Citation Processing
- Incident Analytics Dashboards
- Vermont Order and Warrant Tracking
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