

Release Notes for All States: 4.0.0

Crime Insight version 4.0.0 was released on December 28th, 2024.

What's New?

New NIBRS Specification

The NIBRS specification update tasks were completed in v4.0.0. This includes releasing the specification updates (including new IEPD versions) to the remaining states; TN, MO, WY, CT, as well as completing the release for SC.

As with the v3.5.2 release in other states, the following changes have been implemented:

- a) It will be acceptable to submit rapes where the victim and offender are the same sex
- b) It will be acceptable to submit injury data for victims of homicide offenses (09A, 09B, 09C)
- c) Three new relationships are now acceptable:
 - Cohabitant (CO in flat files; COHABITANT in XML files)
 - Foster Parent (FP in flat files; FOSTER PARENT in XML files)
 - Foster Child (FC in flat files; FOSTER CHILD in XML files)Note that error 554 and warning DQ1413 has been extended to include foster parent (older) and foster child (younger)
- d) For states with special logic for domestic violence, this has been extended to include the new relationships, depending on the state's specific definition of DV.
- e) Bias motivation 28 is now labelled as Anti-Church of Jesus Christ. This does not affect submissions. Note that the XML code for this bias remains ANTIMORMON.
- f) Offense 11D is now labelled as "Criminal Sexual Contact". This does not affect submissions.

Agencies submitting flat files will be able to take advantage of these changes as soon as the new version of Crime Insight is installed. For agencies submitting XML, they will need to implement the new XML/IEPD version.

In addition to the changes for agency submissions, corresponding changes have been made in reporting. Most notably, the default is to show all rape offenses aggregated as "All Rape". It will still be possible in the cubes to drill down to see which specific offense (11A, 11B or 11C) was submitted for each victim. Having said that, going forward, agencies will be told by the FBI to submit all rapes as 11A. The same change is being done in TOPS themes – where sex offenses are broken down by the offense type, 11A/B/C will be aggregated together as "All Rape".

Population Upload Page

The new Population Upload page was introduced in v3.5.2, but it has been extended to support special situations in CT and TN. In each of these states, population data is loaded from two distinct files. On the Population Data Upload page in these states, there is now an option to specify which type of file is being uploaded. Apart from this option, the behaviour of the page is unchanged from the last version, repeated here for clarity.

The process is quite simple:

1. The FBI provides an Excel file with the population data.
2. Open this in Excel and save the population sheet to a CSV file.
3. In Crime Insight, navigate to the Population Data Upload page.
4. In TN/CT, select the type of file being uploaded.
5. Upload the population CSV file.

User Interface Updates

Crime Insight v4.0.0 includes ongoing improvements to the user interface. This includes the following changes:

- In the Agency Editor, each page now shows the Agency Name and ORI so that it's always clear which agency is being updated.
- On the various Data Upload pages, users are now shown the status of the file processing queue. When the queue is paused, uploaded files remain in a "pending" state.
- Sorting and filtering have been rationalized across the various pages. Specifically:
 - No sorting is permitted on the various Data Upload pages. The table is already sorted by when the file was uploaded.
 - Sorting by agency name is not supported, but sorting by ORI is (when presented).
 - The Errors and Warnings pages can be filtered by agency, upload date, type, code and status.
 - The state of each filter/sort on each page is remembered throughout the user's session.
- In order to make the page more responsive, the various Errors and Warnings pages show a total count for some, but not all filtering options. When the count is not predetermined, the table shows "... of many" to indicate that there is at least one more page of data to be shown.
- It should no longer be the case that users will need to clear their cache with future updates of the software. Javascript remaining in the browser's cache from older versions will no longer affect newer versions.

New Warnings

Crime Insight v3.5.2 has a new collection of data quality warnings, designed to let agencies know that missing/unknown information should be provided. The warnings are turned off by default in all states except WY, where they are enabled. Each can be enabled independently on the Site Administration page.

The new warnings are:

DQ1411_B	Age of Victim is Unknown
DQ1412_B	Sex of Victim is Unknown
DQ1413_B	Race of Victim is Unknown
DQ1414_B	Ethnicity of Victim is Unknown or Missing
DQ1415_B	Resident Status of Victim is Unknown or Missing
DQ1511_B	Age of Offender is Unknown
DQ1512_B	Sex of Offender is Unknown
DQ1513_B	Race of Offender is Unknown
DQ1514_B	Ethnicity of Offender is Unknown or Missing
DQ1613_B	Race of Arrestee is Unknown
DQ1614_B	Ethnicity of Arrestee is Unknown or Missing
DQ1615_B	Resident Status of Arrestee is Unknown or Missing
DQ1713_B	Race of Arrestee is Unknown
DQ1714_B	Ethnicity of Arrestee is Unknown or Missing
DQ1715_B	Resident Status of Arrestee is Unknown or Missing

New Report: NIBRS Errors and Warnings List

Version 4.0.0 includes a new report called “NIBRS Errors and Warnings List”. This report presents information from the Errors and Warnings page, filtered in a variety of different ways. Options include:

- Agency - select errors and warnings for all or a specific agency
- Vendor - select errors and warnings by vendor
- Date range - based on when the incident was submitted to Crime Insight
- Type - errors or warnings
- Specific error/warning code
- Status

The report shows all errors/warnings on submitted incidents that match the selected criteria, grouped by the error/warning code.

The Error Rates and Common Errors report has also been updated. In the lists of common errors and warnings, each count is a hyperlink to the new report, allowing the user to view all incidents with the specified error.

With the delivery of this report, we are now able to retire the old “Agency QC Exceptions” report. This report will be removed from all remaining client sites as part of this update. As well, all Single Incident Viewer reports no longer have the “Verify Incident” button, which was used to remove incidents from the “Agency QC Exceptions” report.. All history of users

clicking that button will be removed from the database as well. In states where this button has been used extensively since 2020 (when warnings started getting generated when files were submitted), warnings will be cleared automatically where agencies have verified the incident.

Other Reporting Updates

In addition to the new report, the following changes have been made to reports published on Crime Insight sites:

- All Summary reports are now sensitive to years released on the Public site. If you have restricted access to Summary data for specific years, any Reporting Services report will now reflect those restrictions.
- The Summary Crime Trend Dashboard report has been removed. This report has never been used and has had issues.
- The Agencies with Missing NIBRS Submissions report can now be published on the Public site, as it will only show released years on that site. This report can be used to show the public how agencies are doing at submitting their data.
- The performance of the Error Rates and Common Errors report has been improved.

Password Updates

The approach for handling forgotten passwords is now the same regardless of whether initiated from within the Repository or Perspective. For sites using standard user authentication (i.e. not integrated with any state systems), users can recover their passwords. To achieve this, they provide their user name and they are sent an email with a link to reset their password.

In addition, if strong passwords are required, the rules are now consistent across the different components of Crime Insight. This includes keeping the last 10 passwords and not allowing users to reuse them. If your site does not currently enforce strong passwords, and you would like to enable this, please let us know through support@beyond2020.com.

CT Only - Update to Arrest Offense dimension

In the CT cubes, the deprecated Group B offenses have been grouped together and reported with 90Z (all other offenses). The group can be expanded to view the individual reported Group B offenses, but the default will be to show them all together. The Group B offenses grouped together are:

- Bad Checks (90A)
- Drunkenness (90E)
- Peeping Tom (90H)
- Runaway (90I)
- All Other Offenses (90Z)

This update is available for other states. If interested, please reach out to support@beyond2020.com.

VA Only - Update to Community Policing fields

The list of acceptable column headers in the Community Policing upload file has been extended to support additional aliases. Specifically:

- The alias of "Virginia Crime Code (Optional)" is accepted for the VCC field
- The alias of "Physical Force by Officer" is accepted for the Force Used by Officer field
- The alias of "Physical Force by Subject" is accepted for the Force Used by Subject field

TN Only - Various Updates

In addition to the new IEPD, Crime Insight includes a number of other changes.

Related to the XML ingestion/validation, the rules related to Domestic Violence have changed. Now, incidents including victim-offender relationships of Foster Parent or Foster Child can be marked as being domestic in nature. Also, the list of offenses that can be involved in Domestic Violence includes the two Human Trafficking offenses.

Another change to the XML specification is that property type code 99 (a special property description once supported by the FBI) has been removed, so any submission with this property description will fail.

Some sample XML incidents in the older IEPD version included the ArrestLocation tag incorrectly. This tag is only applicable to Group B arrests, but was inadvertently included for Group A incidents in the sample files.

Building on the cube changes in v3.5.2, more work was done to make TN more like the other states. Specifically, state-specific logic for handling agencies that aren't submitted to the FBI has been replaced by the standard approach. Various reports, such as the Crime Trend Dashboard, have been updated to avoid relying on TN-specific data tables. None of these changes should be visible to users.

The TN Single Incident Viewer now shows all rejected as well as accepted incidents. Prior to v4.0.0, the report would show rejected incidents only if they were submitted in the old flat-file format. Now, rejected XML submissions are also shown in the report.

In TN, users are authenticated against the state's own Active Directory (AD). Each night, the Crime Insight database is synchronized against the state's AD. This process has been updated in v4.0.0 so that only valid ORIs are captured from the Description field in AD. Previously, user accounts for TBI employees were being corrupted by other descriptions included in their AD record.

Repository and Reporting

The following issues have been addressed in this release:

Who	ID	Description
All states	SUP-1121	Perspective (the reporting component of Crime Insight) now accepts passwords that contain #, &, < or >.
All states	CI-1332	Removed "Unknown" from the Incident Editor's arrestee sex dropdown (Group A and B).
All states	CI-2494	Improved the message displayed when trying to download a file that has been uploaded and it is not available.
All states	CI-2499	New error code b_seg_length now generated in situations where the provided segment length is incorrect, replacing 178, 284, 484, 584, and some occurrences where error 057 was reported.
All states	CI-2586	Clicking "Sign out" from any Details page now signs you out instead of going to the initial page.
All states	CI-2617	Corrected the issue where the Hour of the incident was getting changed to midnight in the FBI submission file when the value in the submitted file was not provided.
All states	VA-466	All drug seizures are now included in the Property Drug Related Data cube, regardless of whether or not someone has been arrested.
All states	CI-2644	Property Loss column added to the Property - Drugs section of the Single Incident Viewer (SIV) report.
All states	CI-2645	Improved the metadata for the measure "Number of Drug Reports" in the Property Drug Related Data cube.
All states	PER-125	When the strong password option is in effect, an improved message is now displayed when the password does not meet all the criteria for a strong password.
CO	CO-958	Improved the handling of long addresses and unprintable characters in the Contacts Single Incident Viewer (SIV) report.
MO	SUP-1013	Incident Hour and Minute now shows correctly in the Incident Editor when submitted via a flat file.
MO	438	Fixed the issue where linking to the Incident Editor from the NIBRS Errors and Warnings or Upload Details pages did not always pull up the incident properly.
NE	NE-561	Corrected a few issues related to arrestees and the weapons they are armed with.
SC	SUP-1123	Unfounded incidents are no longer included in the cubes.
VA	SUP-1135	Non-printable characters removed from the Location field in a Community Policing stop to avoid an error when downloading a microdata report.
VA	SUP-1166	Time Series periodicity on the Stop Date dimension of the Community Policing cube now includes "Annual".
VA	SUP-1169	Fixed a specific condition where counts shown in the "Monthly Community Policing Submission Overview" report were not being updated correctly due

		to a large number of consecutive rejected submissions.
CT, MO, ND	SUP-948	The Victim to Offender Relationship now displays correctly, for incidents with and without errors, in the Incident Editor and the Single Incident Viewer report.