

AGS Crime Incident Data Quality Metrics – October 2023 Update

AGS has created an initial set of data quality metrics which will be published monthly.

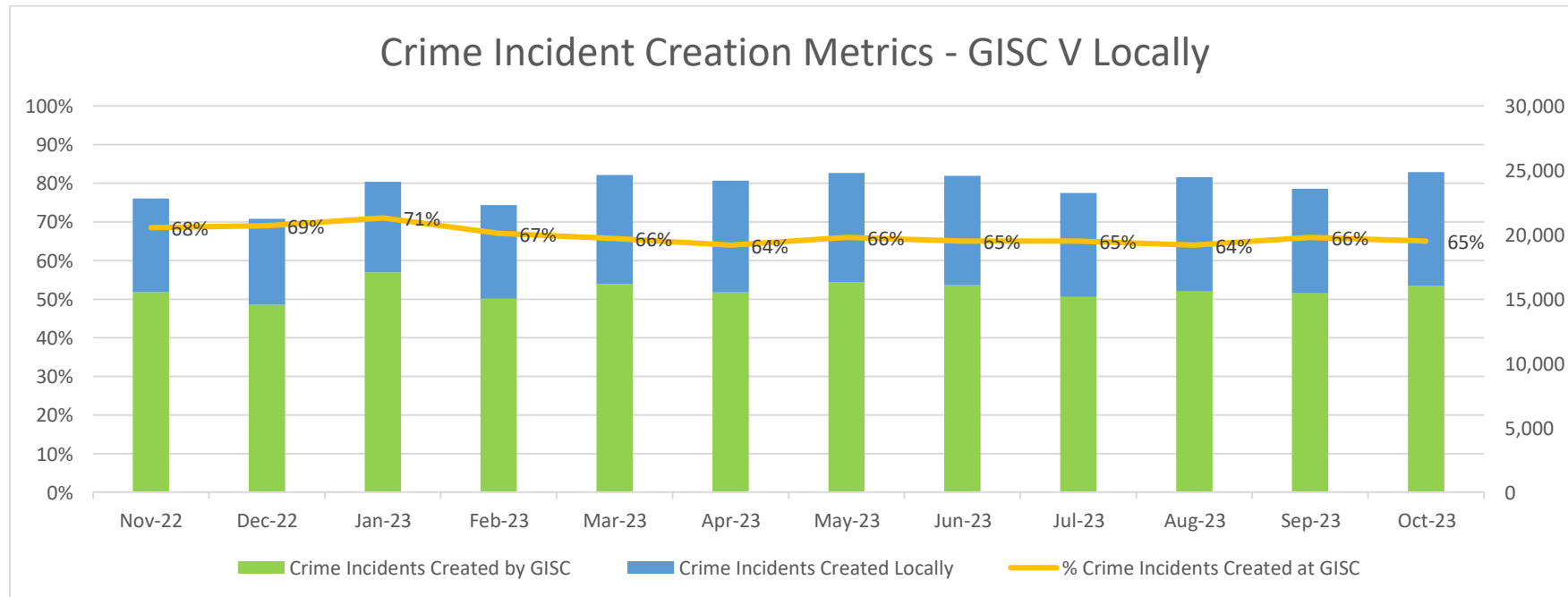
These metrics together with our PULSE data quality framework are intended to inform users of Crime statistics about the quality of the underlying PULSE data. It should be noted that the Central Statistics Office (CSO) produce and disseminate official statistics on recorded crimes.

This publication of quality metrics is another important milestone in the implementation of our data quality strategy.

There are thirteen metrics being published at this stage. These figures are operational and subject to change.

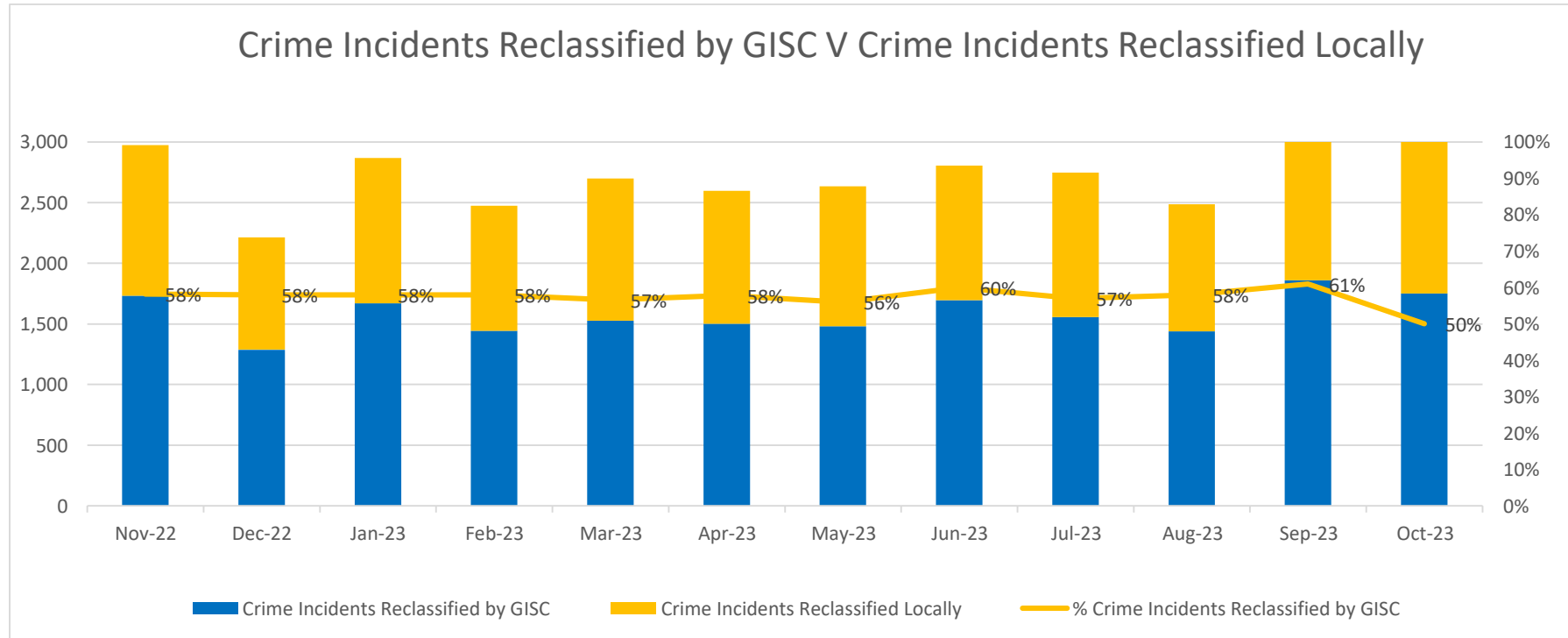
1. Data Quality Incident Creation.

The incident creation process, as outlined in the Crime Recording Document, published [here](#), summarises the process for the recording of Crime Incidents. The organisational goal is for the Garda Information Services Centre (GISC) to create > 95% of Crime Incidents. The below metrics outline the % and numbers of Crime Incidents created at GISC versus locally at Garda stations by Garda Members. Note this figure includes the update to the CAD skeleton Incident. The Crime Counting Rules are not applied to these figures.



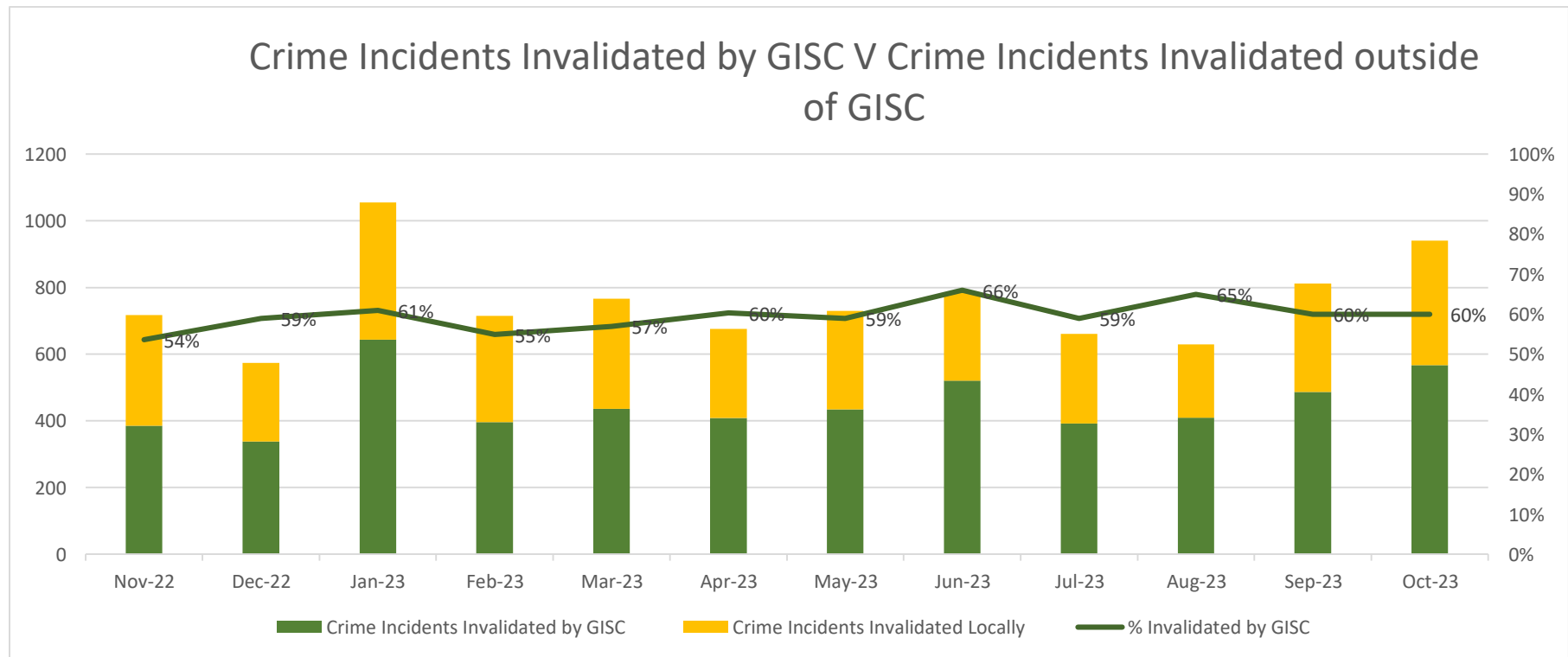
2. Crime Incident Reclassification.

The reclassification process, as outlined in the Crime Recording Document, published [here](#), outlines the process for the recording of the reclassification of crime and non-crime incidents. The organisational goal is for the Garda Information Services Centre (GISC) to reclassify all incidents. Note this figure includes crime incidents reclassified and non-crime incidents reclassified to crime incidents. The Crime Counting Rules are not applied to these figures.



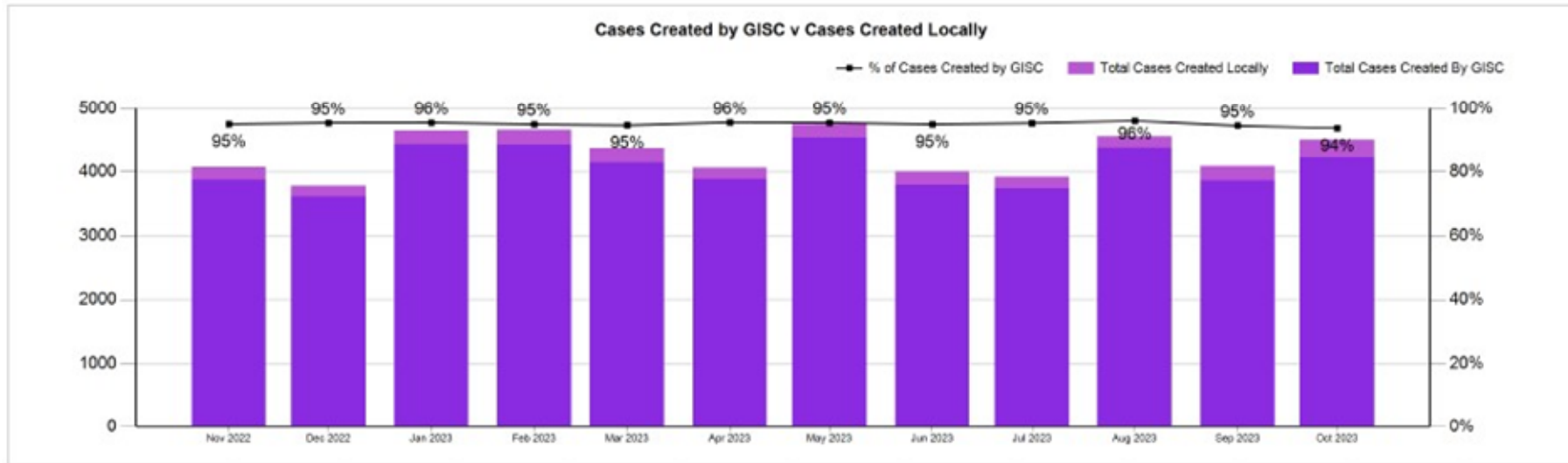
3. Crime Incidents Invalidations.

Incidents are invalidated in PULSE when they are no longer valid incidents after investigation in line with the Crime Counting rules. It is planned that the Garda Information Services Centre (GISC) will assume exclusive responsibility for this process in the near future. The Crime Counting Rules are not applied to these figures.



4. Cases on PULSE.

Incidents are grouped together on PULSE, 'cased', to facilitate application of the Crime Counting Rules. Further information on the Crime Counting Rules can be found in the Crime Recording Document, published [here](#). Incidents may also be cased for operational reasons. The metrics below show the number of cases created at the Garda Information Services Centre (GISC) versus locally at Garda stations by Garda Members. These figures are operational and subject to change.



Data Quality Assurance Checks on Crime Counting Rules

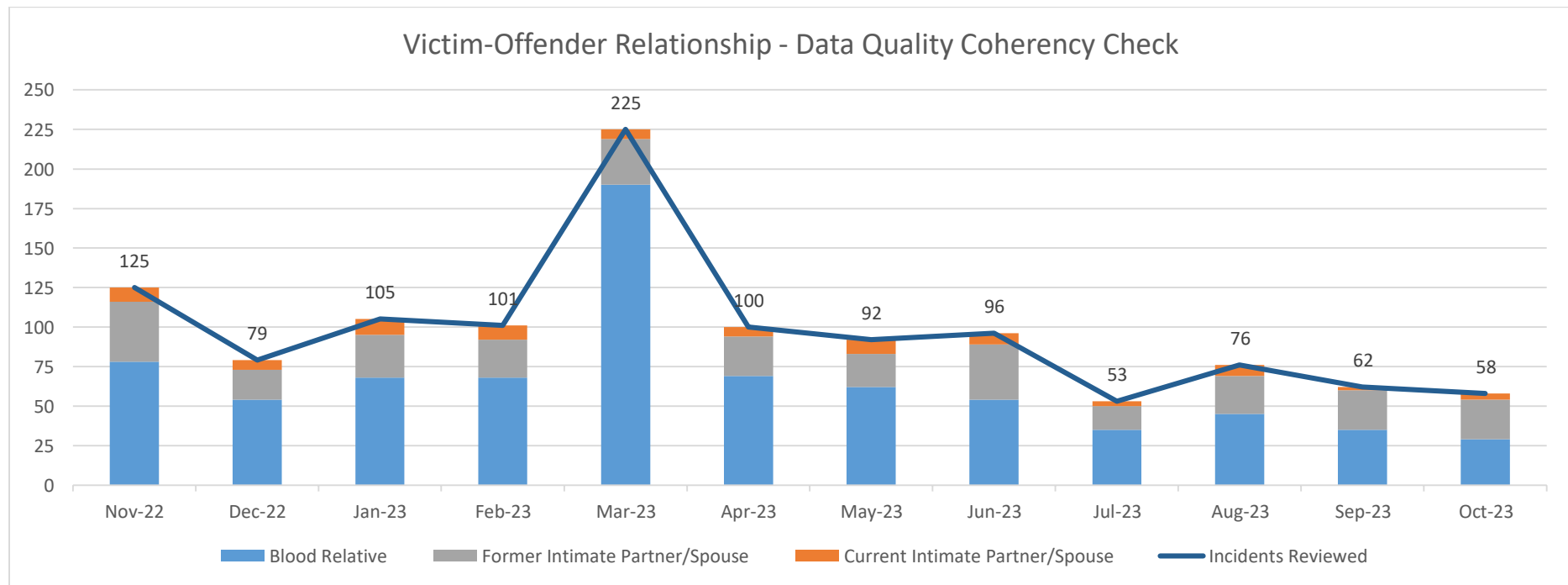
In 2018, GISC implemented a data quality check on sexual offences and fraud incidents to ensure the correct application of the Crime Counting Rules.

In the autumn of 2022, an enhanced process was put in place extending data quality checks on the application of the Crime Counting Rules to all crime categories. All cases created on PULSE from 1st July 2022 to 30th June 2023 have been reviewed to ensure the correct application of the Crime Counting Rules. GISC will review all cases created since July 2022 on a quarterly basis to ensure correct application of the Crime Counting Rules.

5. Victim-Offender Relationship – Data Quality Coherency Check.

In July 2021, An Garda Síochána introduced a mechanism to record the relationship between the Victim and the Offender. Since then, GISC has implemented a data quality coherency check on the recording of the relationship to improve the recording of the domestic abuse motive attached to PULSE incidents. This data coherency check involves a review of all incidents in which the relationship between the victim and the offender has been recorded as falling into one of three categories (blood relative, current intimate partner/spouse, or former intimate partner/spouse) but a domestic abuse motive has not been recorded. The domestic abuse motive is then added to incidents in instances where it is required.

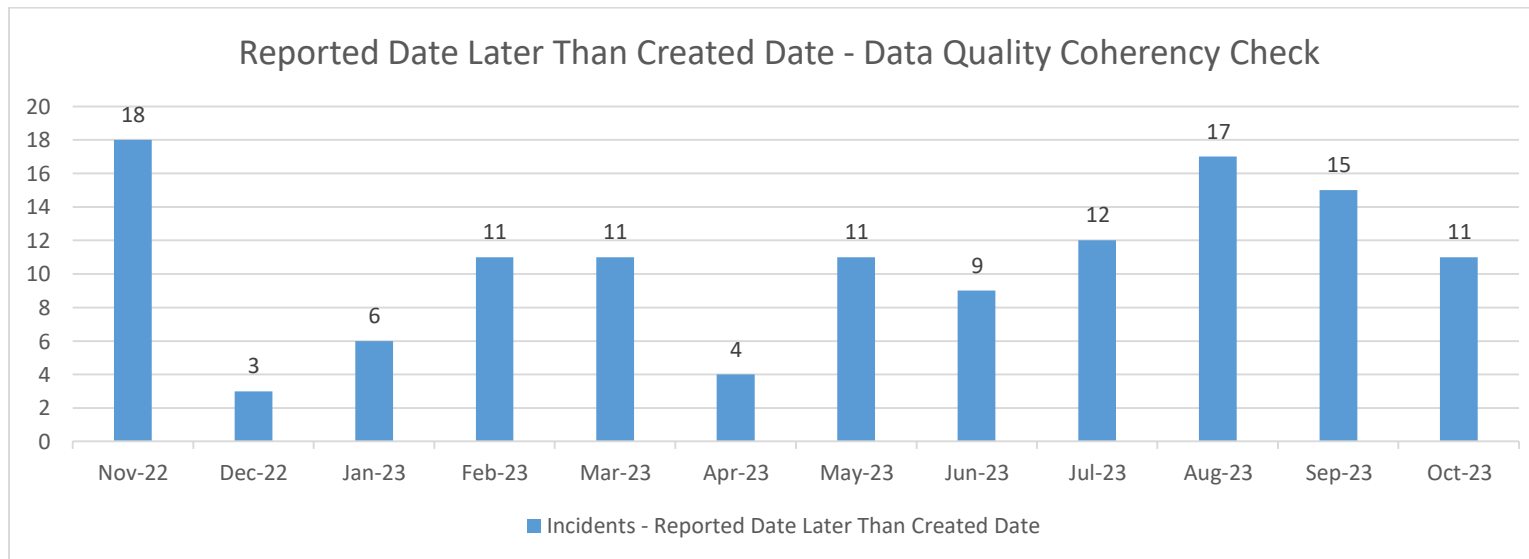
Graph 5 presents the total number of incidents reviewed each month.



6. Reported Date Later Than Created Date – Data Quality Coherency Check.

GISC has implemented a data quality coherency check on the date fields on PULSE crime incidents.

Graph 6 presents the number of incidents in which the recorded Reported Date was later than the Created Date.



7. Discharging a Firearm PULSE incidents – Data Quality Coherency Check.

Section 8 of the Firearms and Offensive Weapons Act 1990 provides for an offence of reckless discharge of a firearm. This crime is recorded as a '(Firearms) Discharging a Firearm' incident on PULSE. GISC has implemented a data coherency check of '(Firearms) Discharging a Firearm' PULSE incidents. This data check centers on a review of the incident classification.

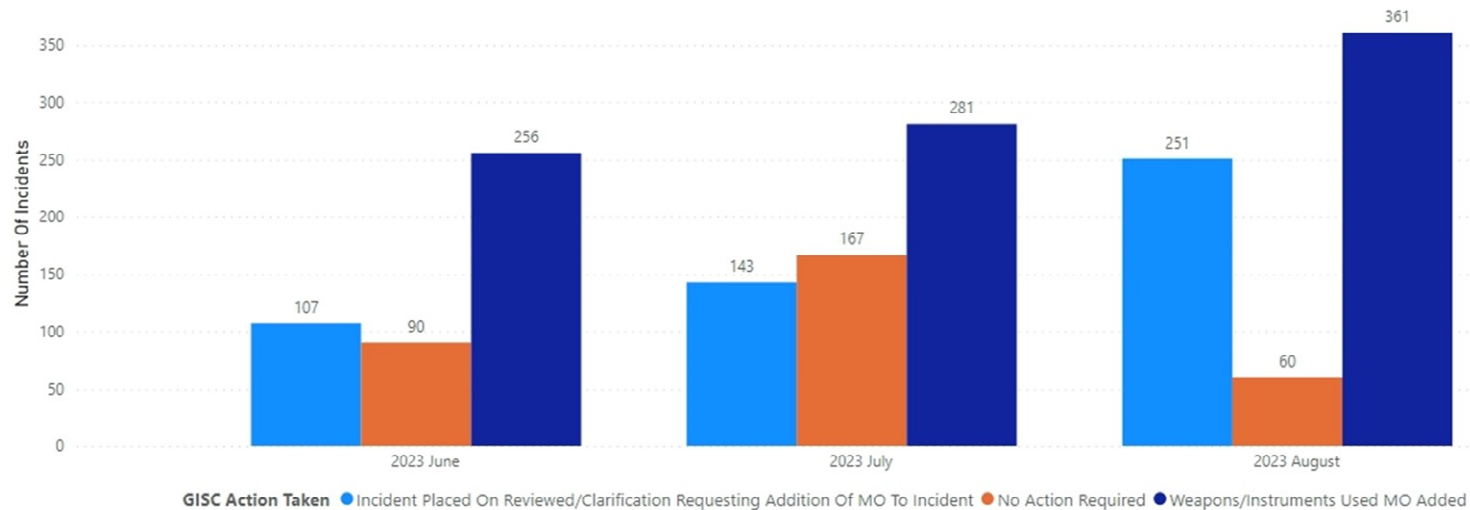
Low volumes of incidents recorded under this incident type means that for operational reasons it is not possible to publish detailed data relating to this coherency check at this time.

'(Firearms) Discharging a Firearm' PULSE incidents created from June to August 2023 have now been reviewed. Incidents will be reviewed on a monthly basis going forward.

8. Weapons/Instruments Used MO – Data Quality Coherency Check.

GISC has implemented a data coherency check of PULSE incidents in which the Modus Operandi (MO) data field on PULSE was not updated in line with recording guidelines to include an MO of ‘Weapons/Instruments Used’. As part of this data coherency check, incidents are either updated to include the MO or they are placed on Reviewed/Clarification on PULSE¹ requesting the addition of the MO to the incident². In some instances, no action is required (e.g. in cases where data recording issues have already been addressed). Incidents will be reviewed on a monthly basis going forward. These figures are operational and subject to change.

Weapons Instruments Used MO - Data Quality Coherency Check



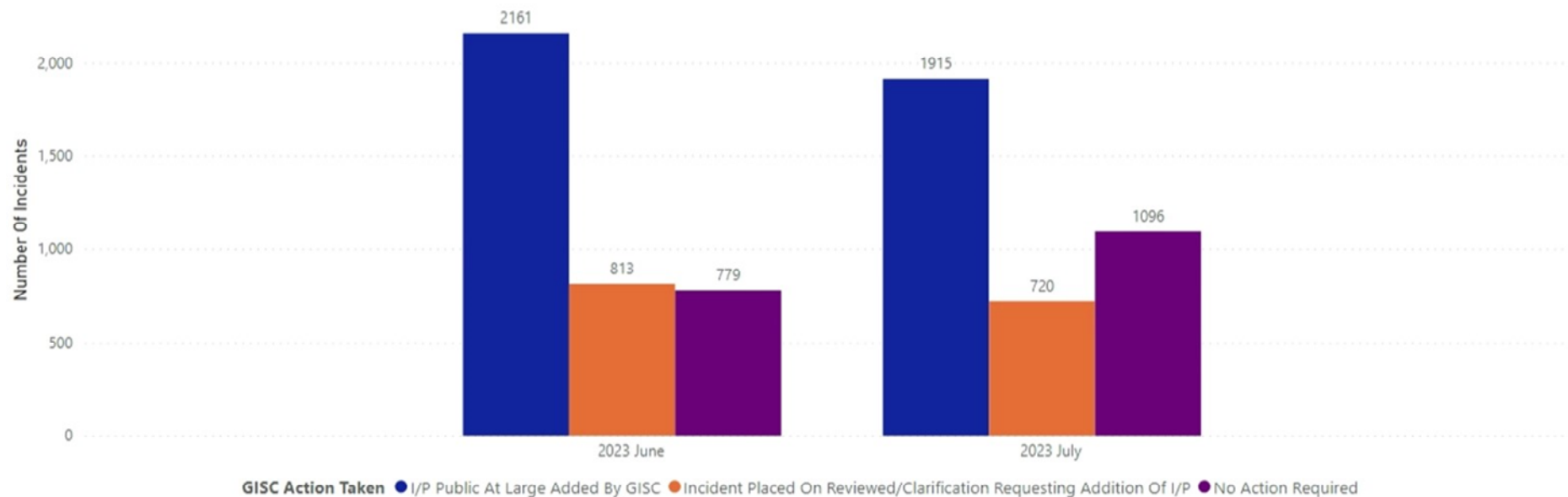
¹ In cases where certain elements of a PULSE incident need to be clarified, GISC reviewers can place an incident on ‘Reviewed/Clarification’ on PULSE. This requires the Garda member to contact GISC to resolve the issue. Further information on how a crime is recorded is available in the ‘Guide to How Crime is Recorded and Counted by An Garda Síochána’, which is available at the following link: [Crime Reporting Document \(garda.ie\)](https://www.garda.ie/en/About-Garda-Siochana/How-Crime-is-Recorded-and-Counted-by-An-Garda-Siochana)

² A proportion of these incidents will already have been placed on Reviewed/Clarification as part of data quality reviews of incidents.

9. Injured Party – Data Quality Coherency Check.

In some crime incidents, details of the injured party (a person) must be added to the PULSE incident (e.g. a murder incident). For other crimes, e.g. some public order offences, the injured party is recorded as the public at large on PULSE. GISC has implemented a data coherency check of PULSE crime incidents³ in which an injured party was not recorded in line with recording guidelines. As part of this data coherency check, incidents are either updated to include 'IP Public at Large' or they are placed on Reviewed/Clarification⁴ on PULSE requesting the Garda member to add the details of the injured party to the incident. In some instances, no action is required (e.g. incidents have already been updated). PULSE incidents created in June and July of 2023 have now been reviewed. Incidents will be reviewed on a monthly basis going forward. These figures are operational and subject to change.

Injured Party - Data Quality Coherency Check



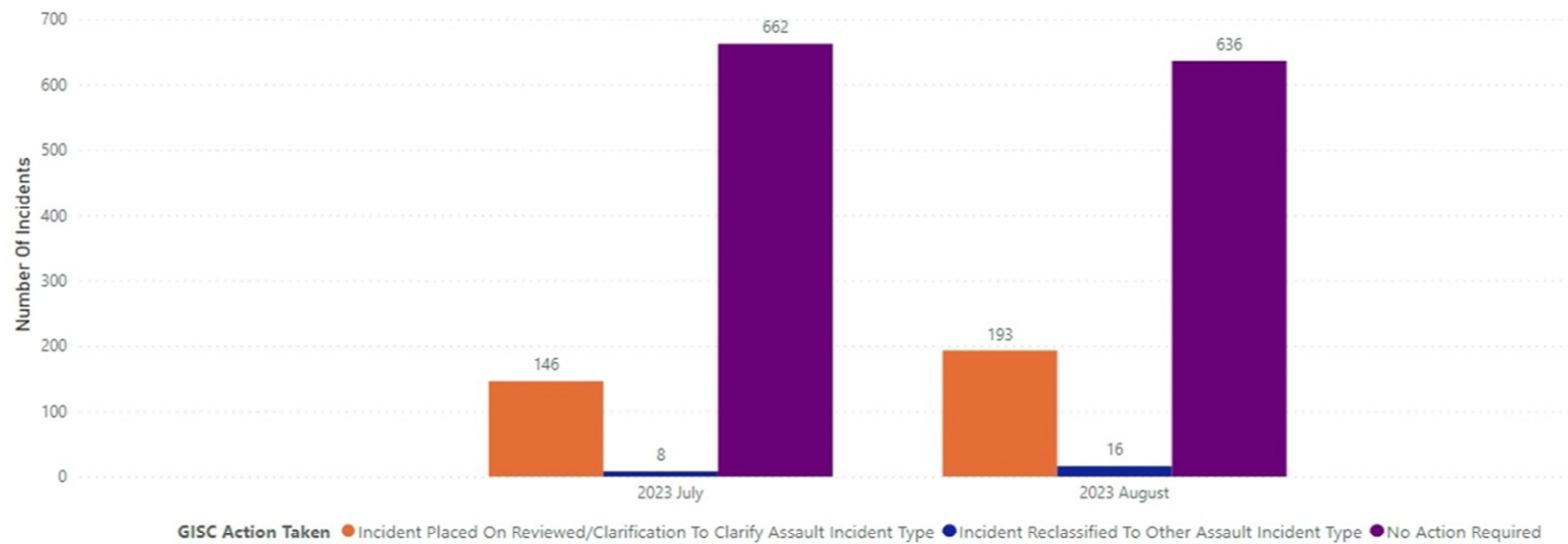
³ Automated FCPS incidents transferred to PULSE not included.

⁴ A proportion of these incidents will already have been placed on Reviewed/Clarification as part of data quality reviews of PULSE incidents.

10. Assault Minor PULSE Incidents – Data Quality Coherency Check.

GISC has implemented a data coherency check of Assault Minor incidents searching for keywords in PULSE Narratives that might indicate that incidents have been misclassified as Assault Minor incidents. As part of this data coherency check, incidents are either reclassified to another incident type or they are placed on Reviewed/Clarification⁵ on PULSE requesting additional information to confirm the selected classification. In most instances, no action is required (e.g. incidents deemed to have been classified correctly). PULSE incidents created in July and August of 2023 have now been reviewed. Incidents will be reviewed on a monthly basis going forward. These figures are operational and subject to change.

Assault Minor PULSE Incidents - Data Quality Coherency Check

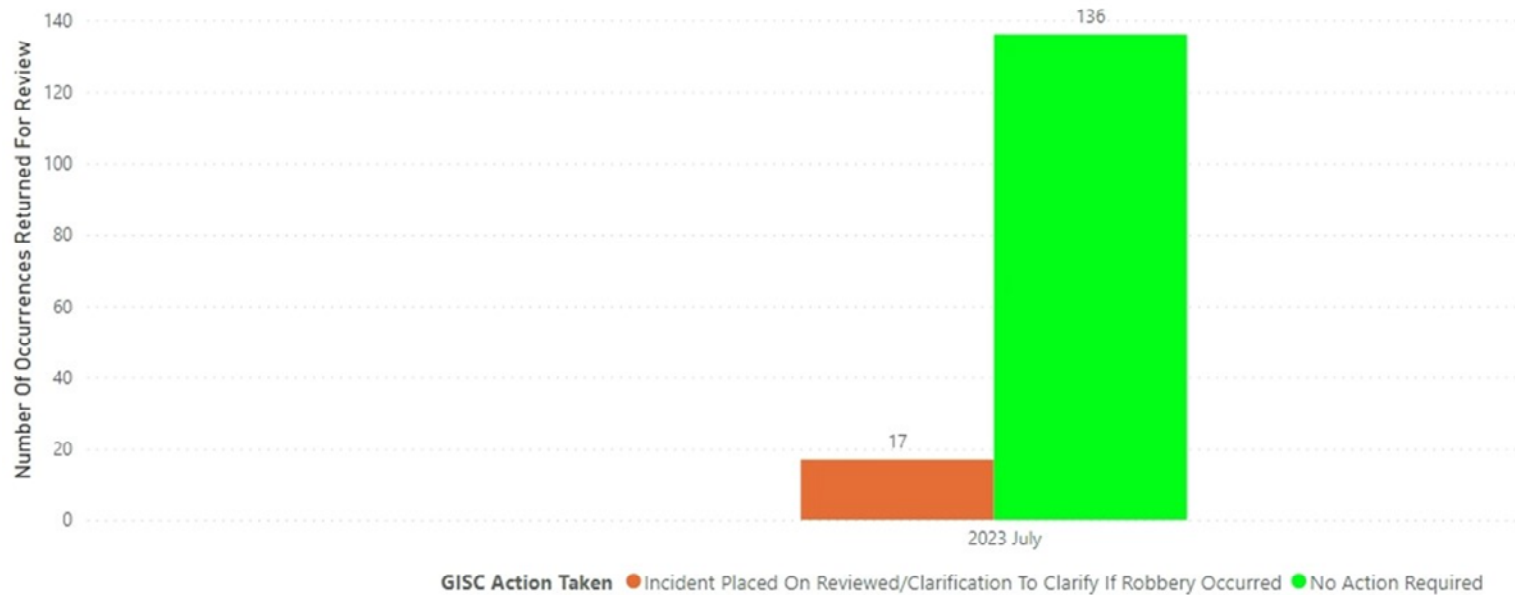


⁵ A proportion of these incidents will already have been placed on Reviewed/Clarification as part of data quality reviews of incidents.

11. Theft PULSE Incidents Coinciding with Assault PULSE Incidents – Data Quality Coherency Check.

GISC has implemented a data coherency check of Assault incidents which have taken place at approximately the same time and in the same District as a Theft incident to identify cases where it may be necessary to record a Robbery incident. As part of this data coherency check, incidents are reviewed and placed on Reviewed/Clarification on PULSE in situations where further information is needed to clarify data recording requirements. PULSE incidents created in July 2023 have now been reviewed. Incidents will be reviewed on a monthly basis going forward. These figures are operational and subject to change.

Theft PULSE Incidents Coinciding With Assault PULSE Incidents - Data Quality Coherency Check



12. Sudden Death PULSE Incidents – Data Quality Coherency Check.

GISC has implemented a data coherency check of Sudden Death PULSE incidents (non-crime incidents) searching for keywords potentially indicating that an incident may need to be reclassified to a crime category. PULSE incidents created from January 2023 to August 2023 have now been reviewed.

For operational reasons, it is not possible to publish detailed data relating to this coherency check at this time.

13. Traffic Collision FATAL PULSE Incidents – Data Quality Coherency Check.

GISC has implemented a data coherency check of Traffic Collision FATAL PULSE Incidents (non-crime incidents) searching for keywords potentially indicating that a separate additional incident (a crime incident) may need to be created.

PULSE incidents created from January 2023 to August 2023 have now been reviewed. Incidents will be reviewed on a monthly basis going forward. Low volumes of incidents recorded under this incident type means that for operational reasons it is not possible to publish detailed data relating to this coherency check at this time.