



An Garda Síochána
Ag Coinneáil Daoine Sábháilte - Keeping People Safe



Review of the Quality of PULSE Crime Data for Q3 2024

Quality assurance of the recording¹ of crime data in An Garda Síochána is built around three main pillars:

- Primary collection of incident data is carried out by Incident Creation Representatives at the Garda Information Services Centre (GISC). Automated collection also takes place in certain instances from CAD and FCPS, and subsequent updates are carried out by GISC.
- GISC Reviewers assess the quality of created incidents, highlighting issues requiring clarification or updates required by placing the incident on 'Reviewed Clarification' on PULSE. This requires the Garda member to contact GISC to resolve the issue before the incident is marked reviewed.
- The Performance Accountability Framework (PAF) includes PULSE crime incidents forming the basis for regular (at least weekly) operational performance reviews by local Garda management. Data quality issues are flagged back to GISC for review and amendment where appropriate.

The creation-review-PAF data cycle represents a 'closed loop' process where incident data reported by Garda members goes through multiple checks including being presented back to local management for performance monitoring and operational decisions. The primary purpose of the recording of data on PULSE is to support the prevention, investigation and detection of crime. The Central Statistics Office (CSO) produce and disseminate official statistics on recorded crimes, which are based on data recorded on PULSE by An Garda Síochána. In April 2025, An Garda Síochána commenced a review of PULSE data quality with respect to incidents reported in Q3 of 2024. This review was carried out by GISC with the support of the Garda Síochána Analysis Service (GSAS), and it examines key aspects of data quality, including:

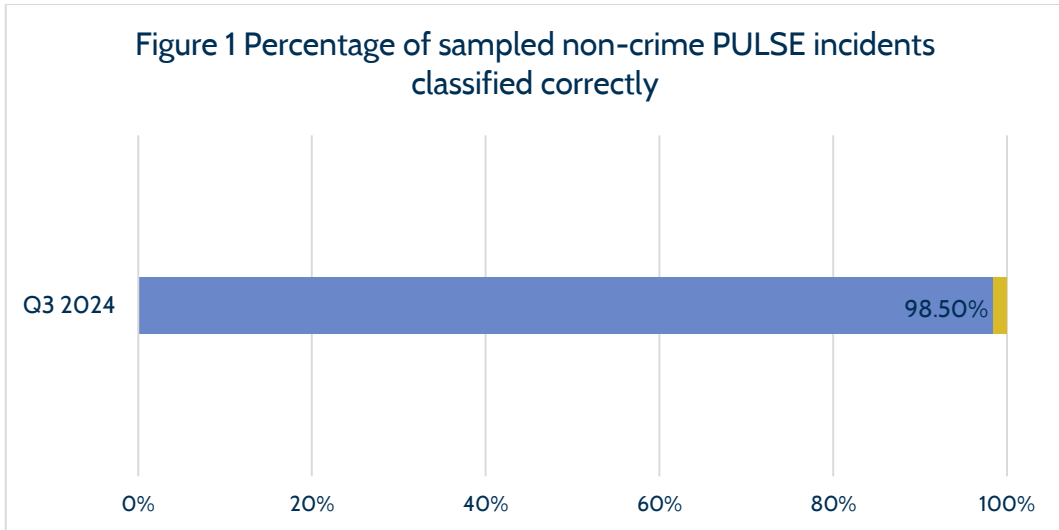
- Classification of crimes in 'non-crime' incident categories
- Crimes marked 'invalid' on PULSE
- Adherence to crime counting rules
- Misclassification of incident type
- Timely recording of PULSE crime incident records
- Detections
- Recorded crime victims

This has now become a biannual review looking back at the previous year. Ongoing data quality reviews such as this, data quality metrics (An Garda Síochána Crime Incident Data Quality Metrics [Statistics - Garda](#)) together with our PULSE data quality framework are intended to inform users of crime statistics about the quality of the underlying PULSE data.

Classification of crimes in 'non-crime' incident categories

GISC sampled 200 non-crime PULSE incident records of three types reported in Q3 2024: 'Attention and Complaints', 'Property Lost' and 'Domestic Dispute - No Offence Identified', and examined the Narrative and related data fields to assess whether the classification of the incident as a non-crime had been accounted for, either in the incident's description or by explicit statement that no offence had taken place. Of the 200 incidents reviewed, 197 (98.50%) were deemed to have been classified correctly.

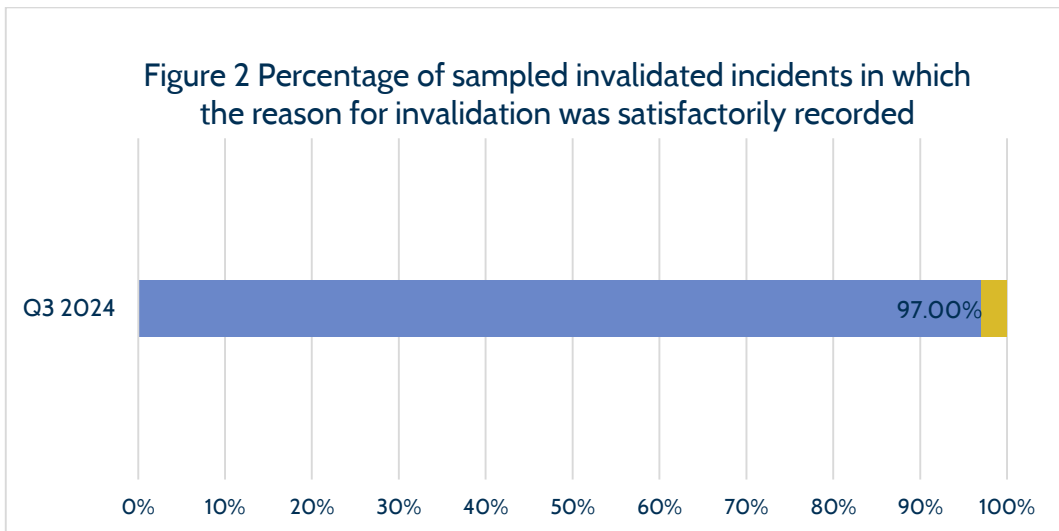
¹ Information on how a crime is recorded is available in the 'Guide to How Crime is Recorded and Counted by An Garda Síochána', which is available at the following link: [Crime Reporting Document \(garda.ie\)](#)



Crimes marked 'invalid' on PULSE

GISC sampled 100 invalidated PULSE crime incidents reported in Q3 2024 and checked the text of the Narrative and related data fields to assess whether the reason for invalidation had been recorded.

Of the 100 incidents reviewed by GISC, the reason for invalidation was satisfactorily recorded in 97 incidents (97.00%).



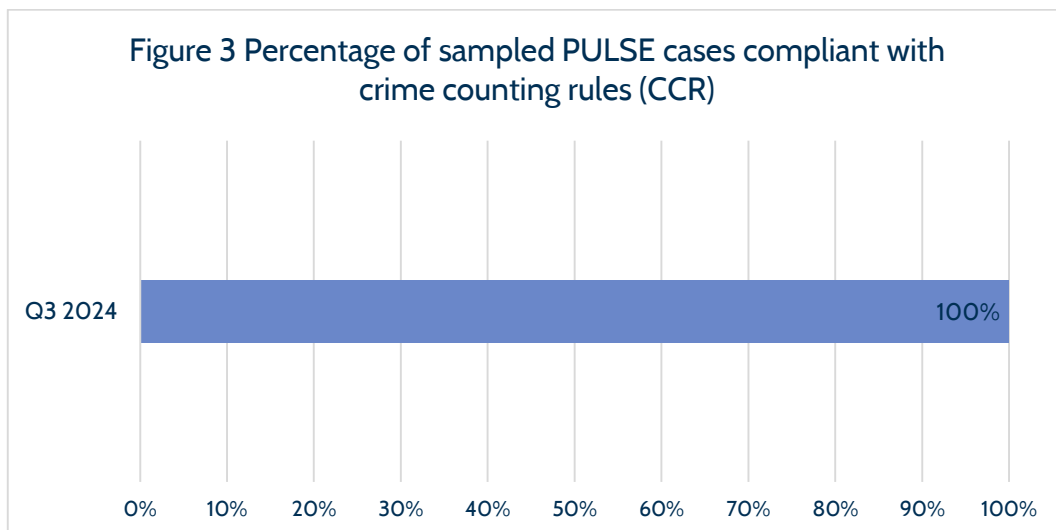
Adherence to crime counting rules²

In 2018, GISC implemented a limited 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 data quality process was put in place by GISC extending checks on the application of the crime counting rules to all crime categories. All cases created on PULSE from 1st July 2022 to 31st March 2025 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.

GISC sampled 100 non-primary incidents on PULSE reported in Q3 2024, along with all associated primary or non-primary incidents, and examined each set (each PULSE case) of incidents together to consider compliance with the crime counting rules.

Of the 100 incidents that were checked, all 100 PULSE cases (100%) were found to comply with the crime counting rules.



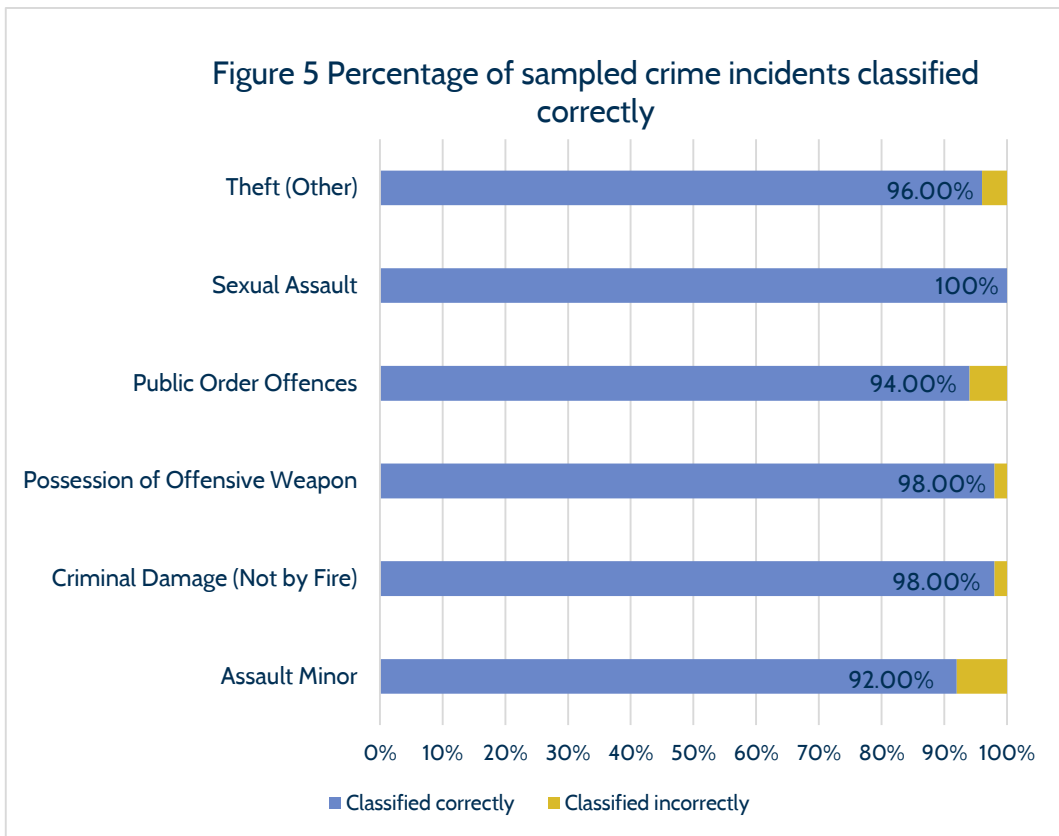
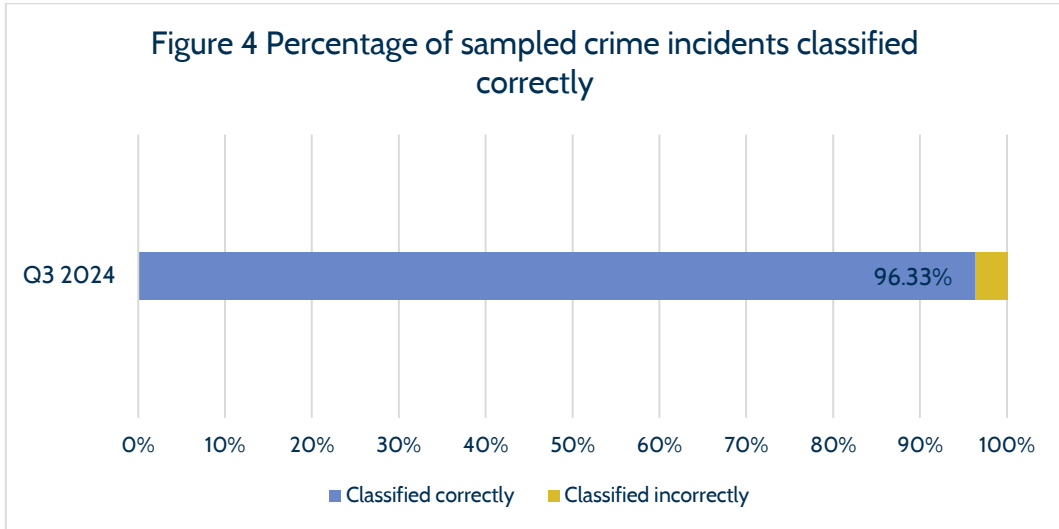
Misclassification of incident type

GISC sampled 50 PULSE incidents reported in Q3 2024 in each of six crime incident types (total sample size of 300 incidents): 'Theft (Other)', 'Sexual Assault', 'Public Order Offences', 'Possession of Offensive Weapon', 'Criminal Damage (Not by Fire)', and 'Assault Minor'. GISC considered the information contained in descriptive data fields to assess whether the incident classification was appropriate based on the information reviewed.

Of the 300 incidents checked, 289 incidents (96.33%) contained information in the descriptive data fields to confirm the classification was appropriate. The figures on sampled crime incidents found to be classified correctly broken down by incident type were as follows: 48 (96.00%) 'Theft (Other)' incidents, 50 (100%) 'Sexual Assault' incidents, 47 (94.00%) 'Public Order Offences' incidents, 49 (98.00%) 'Possession of

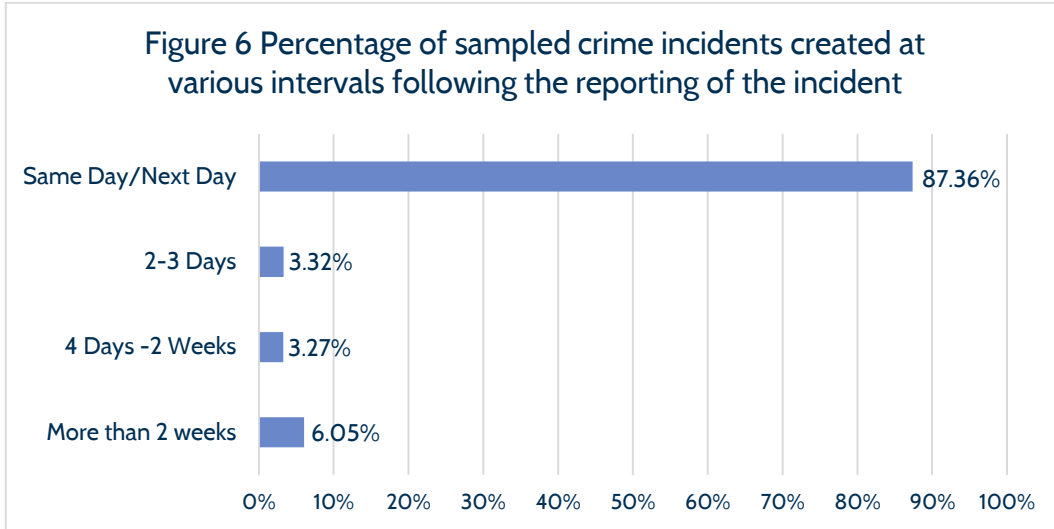
² There are specific rules governing the recording and counting of crime incidents which are set out in the 'Guide to How Crime is Recorded and Counted by An Garda Síochána', which is available at the following link: [Crime Reporting Document \(garda.ie\)](https://garda.ie/~/media/Files/2024/03/20240307-CRIME-REPORTING-DOCUMENT-ENGLISH.pdf)

Offensive Weapon' incidents, 49 (98.00%) 'Criminal Damage (Not by Fire)' incidents, and 46 (92.00%) 'Assault Minor' incidents.



Timely recording of PULSE crime incident records

GSAS reviewed PULSE crime incidents reported in Q3 2024 from a range of ICCS groups³. It was found that 87.36% of incidents were recorded on PULSE on the day on which they were reported or on the following day.



Detections

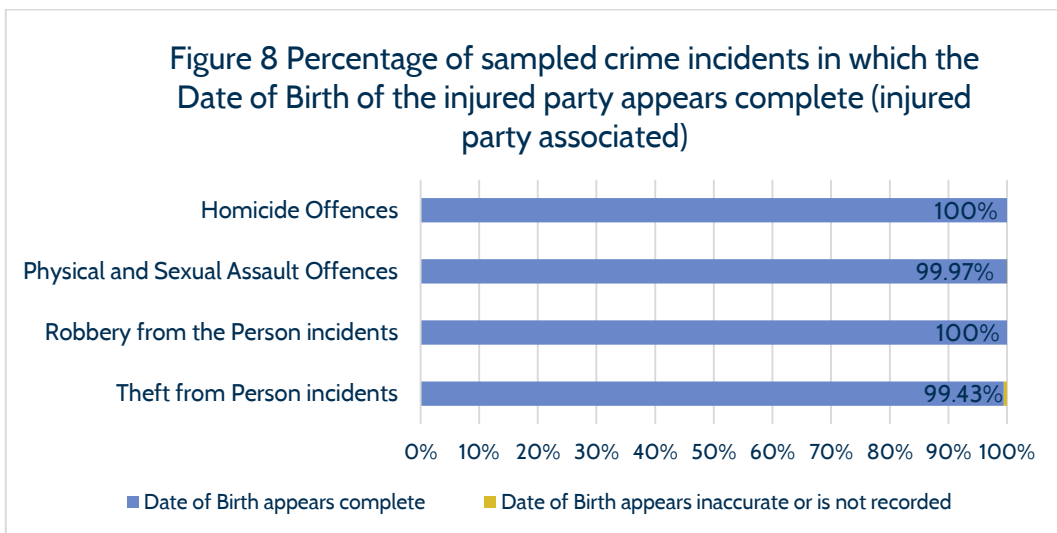
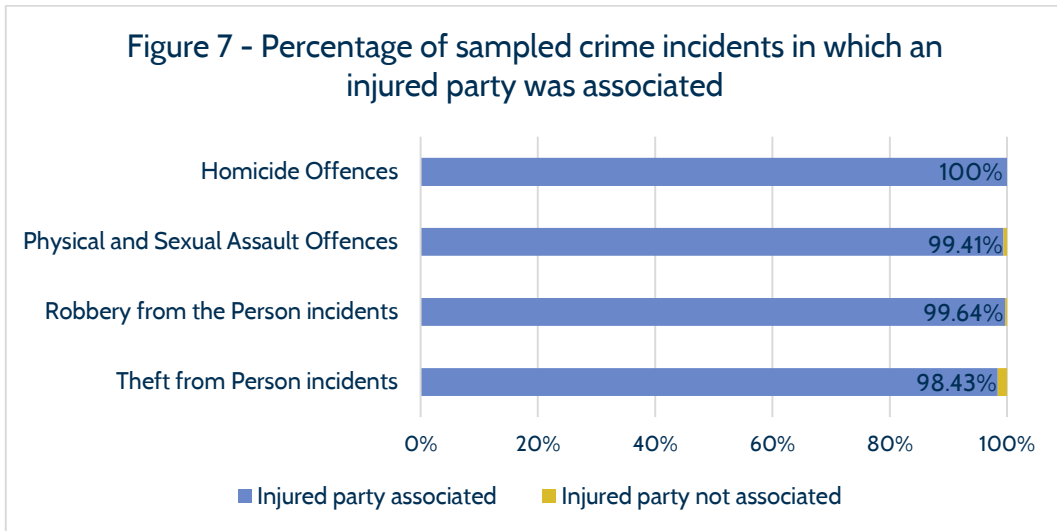
GSAS reviewed PULSE data relating to incidents reported in Q3 2024 with sanctions (including charges and summons). Various data fields within the incidents were reviewed against suspected offender data for coherence. It was found that:

- In 99.74% of cases, a valid charge or summons corresponded with an incident having been marked as 'Detected' or 'Resulted in Proceedings'.
- In 99.08% of cases, the year of the first valid charge or summons associated with a PULSE crime incident corresponded with the detection date year.
- In 99.74% of cases, a valid charge or summons corresponded with the presence of a valid suspected offender record.
- In 99.74% of cases, a valid charge or summons corresponded with the detection status of a valid suspected offender record indicating that proceedings had commenced.

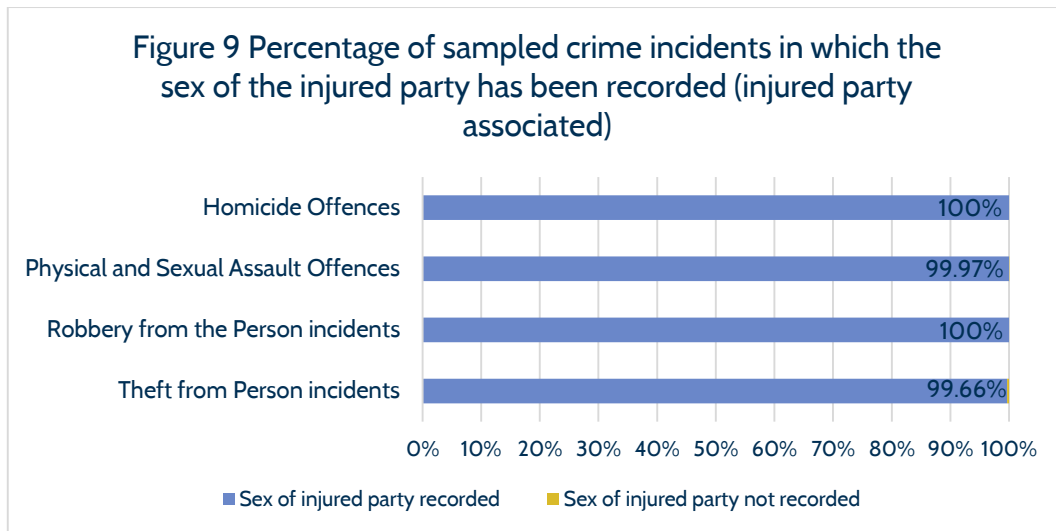
³ Incidents extracted from the following ICCS groups: 01-Homicide Offences, 02-Sexual Offences, 03-Attempts/Threats to Murder, Assaults, Harassments and Related Offences, 04-Dangerous or Negligent Acts, 05-Kidnapping and Related Offences, 06-Robbery, Extortion and Hijacking Offences, 07-Burglary and Related Offences, 08-Theft and Related Offences, 09-Fraud, Deception and Related Offences, 10-Controlled Drug Offences, 11-Weapons and Explosives Offences, 12-Damage to Property and the Environment, 13-Public Order and other Social Code Offences, and 15-Offences against Government, Justice Procedures and Organisation of Crime. Please note that the crime counting rules were applied in this analysis. Note also that incidents arising from fixed charge penalty notices and invalidated incidents were excluded.

Recorded crime victims

GSAS reviewed PULSE data relating to a number of incident types⁴ reported in Q3 2024 and examined the extent to which an 'injured party' had been recorded in the incidents. GSAS found that an injured party was associated with 100% of homicide offences, 99.41% of physical and sexual assault offences, 99.64% of Robbery from the Person incidents, and 98.43% of Theft from Person incidents. Related sex and date of birth data fields were also checked; the findings are set out in Figures 8 and 9 on pages 6 and 7 of this report.



⁴ As part of the review, a subset of incident types were extracted from requested crime groupings, including Homicide offences (Murder, Manslaughter and Dangerous Driving causing Death incidents), Physical Assault offences (Assault Minor and Assault Causing Harm incidents), Sexual Assault offences (Sexual Assault, Rape of a Female, Rape Section 4, Sexual Offence involving Mentally Impaired Person, Buggery and Aggravated Sexual Assault incidents), Robbery from the Person incidents and Theft from Person incidents. Incidents in which the IP is an organisation (rather than an individual) or a member of An Garda Síochána are excluded from this analysis.



An Garda Síochána is committed to cultivating an information-led service, using data and technology to drive efficiencies, effectiveness and decision making. The purpose of this review is to share additional information in relation to the quality of our data, inform users of crime statistics about the quality of the underlying PULSE data alongside demonstrating the effectiveness of our Data Quality Framework.