ESA – 378 TRANSPORT RELATED CRASHES AND FATALITIES

Summary of Quality Assessment Results

Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green	🟢 Green

List of Contributing Datasets and Custodians

- Australian Road Deaths Database (BITRE)
- Transport Safety Occurrence Data (ATSB)*

Quality assessment related to aviation data only. There was no cohesive national information for rail and marine data within the dataset.

ESA Elements

Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Society	Transport	Includes statistics on the number and location of transport related crashes and their impacts on individuals involved.	Monthly	National, State/ Territory	Transport Mode, Road User Type, Crash Type, Vehicle Type

Overall ESA Assessment

The quality of ESA – 378 Transport Related Crashes and Fatalities was assessed as a green traffic light for the purposes of ESA. The overall quality of this statistic met an acceptable standard for the quality indicators selected and the appropriate quality practices and processes were in place. This statistic quality assessment was based on quality information about the contributing datasets. However, the Transport Safety Occurrence Data (ATSB) quality assessment only related to aviation data; rail and marine related crashes and fatalities were unable to be assessed as there was no cohesive national information for rail and marine data within the dataset. The missing information may have impacted on the overall outcome of the quality assessment for the statistic. Data custodians can be contacted for further information about the quality of the datasets which contributed to the statistic.

For more detailed quality information about each dimension, see over page

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Institutional Environment

The statistic scored a green traffic light for institutional environment. There were sufficient quality and risk management processes in place, protections for confidentiality and archiving processes. Staff were trained in data collation and the statistical purpose of the administrative records.

Relevance

The statistic scored a green traffic light for relevance. Most of the key information in the description of the statistic was available information about impacts of transport crashes on the individuals involved was lacking. The critical spatial levels and critical disaggregations identified for the statistic were available; however only heavy vehicle involvement was identified for the critical disaggregation Road Vehicle Type and standards for collecting the critical disaggregation Crash Type varied between jurisdictions.

Timeliness

The statistic scored a green traffic light for timeliness. The critical frequency for the statistic was met. The duration between collection and release of data was timely and users were able to access the release of new data when expected.

Accuracy

The statistic scored a green traffic light for accuracy. There were either no known under or overcounts in the statistic or they were managed. Most of the target population was sufficiently represented for the statistic, and there were sufficient measures in place to adjust for missing values. The accuracy was consistent for most information collected within the datasets.

Coherence

The statistic scored a green traffic light for coherence. Information for the statistic was able to be compared over time with no changes to collection procedures and population and characteristic definitions remaining mostly consistent. External sources were available for data confrontation. Information compiled from multiple sources was mostly coherent.

Interpretability

The statistic scored a green traffic light for interpretability. Data quality statements, information to help users to understand the data and descriptions of conceptual limitations of the data were available. Users were able to access additional support if needed.

Accessibility

The statistic scored a green traffic light for accessibility. The key information, including visualisations such as graphs or maps, was publicly available and users could access data in a machine readable format, Excel and other formats such as pdf. The key information and all other data was accessible for free.

Areas for Improvement

- Most of the key information in the description of the statistic was available from the contributing datasets; however information about impacts of transport crashes on the individuals involved was lacking.
- Only heavy vehicle involvement was identified for the critical disaggregation Road Vehicle Type and standards for collecting the critical disaggregation Crash Type varied between jurisdictions.
- Information compiled from multiple sources was mostly coherent but could be further improved.
- There was a data gap for information about rail and marine transport safety.

Essential Statistical Assets for Australia