











ESSENTIAL STATISTICAL ASSETS FOR AUSTRALIA

ESA – 325 EXPENDITURE ON RESEARCH AND DEVELOPMENT

Summary of Quality Assessment Results							
Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
 Amber	 Green	 Green	 Red	 Green	 Green	 Green	 Green

List of Contributing Datasets and Custodians
<ul style="list-style-type: none"> • Survey of Research and Experimental Development – Businesses (ABS) • Survey of Research and Experimental Development – Government and Private Non-Profit (ABS) • Survey of Research and Experimental Development – Higher Education (ABS)

ESA Elements					
Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Economy	Productivity	Includes statistical estimates of the value of expenditure on research and development activities by a range of sectors.	Annually	National, State/Territory	Industry, Institutional Sector, Field of Research, Type of Activity

Overall ESA Assessment

The quality of ESA – 325 Expenditure on Research and Development was assessed as an amber traffic light for the purpose of ESA. The overall quality of this statistic was reasonable, but lacked in some areas for the quality indicators selected and there was a need identified for some investment to improve the quality. This statistic quality assessment was based on quality information about the contributing datasets. 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.

Relevance

The statistic scored a green traffic light for relevance. All key information identified in the description of the statistic was available. The critical spatial levels and critical disaggregations identified for the statistic were also available.

Timeliness

The statistic scored a red traffic light for timeliness. Although users were able to access the release of new data when expected, the critical frequency for the statistic was not met and the duration between collection and release of data was not always timely.

Accuracy

The statistic scored a green traffic light for accuracy. Most of the target population was sufficiently represented for the statistic, and there was no known under or overrepresentation in the statistic. There were sufficient measures in place to adjust for non-response. Where applicable, sampling error was represented for key indicators, but was not published against individual figures.

Coherence

The statistic scored a green traffic light for coherence. Most information for the statistic was able to be compared over time with population and characteristic definitions remaining consistent, however there were changes to collection procedures over time. External sources were available for data confrontation.

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 Excel and other formats such as pdf. The key information was accessible for free with customised data available at a cost.

Areas for Improvement

- The release of data for the statistic did not meet the critical frequency.
- The duration between collection and release of data was not always timely.
- Where applicable, sampling error was represented for key indicators, but was not published against individual figures.

