











## ESSENTIAL STATISTICAL ASSETS FOR AUSTRALIA

### ESA – 133 EARLY CHILDHOOD DEVELOPMENT

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

List of Contributing Datasets and Custodians	
<ul style="list-style-type: none"> <li>• Australian Early Development Census (Dept of Education)</li> <li>• Child Care Management System (Dept of Education)</li> <li>• Childhood Education and Care Survey (ABS)</li> </ul>	<ul style="list-style-type: none"> <li>• The Longitudinal Study of Australian Children (DSS)</li> <li>• National Early Childhood Education and Care Collection (ABS)</li> <li>• National Perinatal Data Collection (AIHW)</li> </ul>

ESA Elements					
Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Society	Education and Training; Family, Community and Social Cohesion; Health	Includes statistics on childhood wellbeing development indicators, including childcare and pre-school enrolment and attendance.	Annually	National, State/Territory, Local Government Area, SA4	Age, Sex, Indigenous Status, Socioeconomic Status, School Characteristics

#### Overall ESA Assessment

The quality of ESA – 133 Early Childhood Development was assessed as a green traffic light. 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. 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*





# ESA – 133 EARLY CHILDHOOD DEVELOPMENT

## 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. Procedures for identifying errors were mostly in place.

## 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 identified for the statistic, Local Government Area and Statistical Area 4 (SA4), were not available for all information. Most critical disaggregations identified for the statistic were present. In some cases, the critical disaggregation Indigenous Status was not available.

## Timeliness

The statistic scored an amber traffic light for timeliness. Users were able to access the release of new data when expected. The duration between collection and release of data was not timely in some cases and the critical frequency for the statistic was not always met.

## Accuracy

The statistic scored an amber traffic light for accuracy. Known under or overcounts or under or overrepresentation were managed and there were measures to adjust for missing values or non-response in most cases. Sampling error was represented for survey data but not always for individual figures. The accuracy varied for some information collected within administrative datasets. Some of the target population was not sufficiently represented in the statistic, such as schools that chose not to participate or students in very remote areas who were excluded from enumeration.

## Coherence

The statistic scored a green traffic light for coherence. Information for the statistic was able to be compared over time with minimal changes to collection procedures and population and characteristic definitions remaining consistent. Information compiled from multiple administrative sources was coherent. 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 all data in pdf and html. Some data was accessible in a machine readable format and Excel. The key information was accessible for free with customised data and microdata available at a cost.

## Areas for Improvement

- In some cases, the critical disaggregation Indigenous Status was not available.
- The critical frequency for the statistic was not always met.
- Some of the target population was not sufficiently represented in the statistic, such as schools that chose not to participate or students in very remote areas who were excluded from enumeration.

