



Data Quality Online

www.nss.gov.au/DataQuality

Applies DQF to assist drafting quality statements.

Early focus on COAG reporting

General stream coming soon (Phase 2)



Working together for an informed Australia

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- Community of Users and Producers of Statistics
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- Statistical Clearing House
- NSS Events



What is the NSS?

The [National Statistical Service](#) is the community of government agencies, led by the [ABS](#) as Australia's national statistical organisation, building a rich statistical picture for a better informed Australia. It aims to develop and improve a statistical system that ensures providers and users of statistics have the confidence to trust the statistics produced within it. [Find out more about the NSS](#)

NSS News



NSS Newsletter released

15 April 2010 - [NSS Newsletter - April 2010](#)



NSS Newsletter released

4 March 2010 - [NSS Newsletter - March 2010](#)



NSS Newsletter released

18 December 2009 - [NSS Newsletter - December 2009](#)



NSS Newsletter released

27 November 2009 - [NSS Newsletter - November 2009](#)



Good Practice Guide to Sharing Your Data with Others released

27 November 2009 - [Data Sharing Guide](#) - comments welcome

DQO is on the NSS webpage

NSS QuickFind



Sample Size Calculator



Statistical Clearing House



The Handbook



DATAFitness



Data Quality Online

COMMUNITY INDICATORS SUMMIT 09
BRISBANE 22 - 23 JULY

Welcome!

Data Quality Online makes it easy for you to draft a Data Quality Statement for statistical information.

This tool uses the Australian Bureau of Statistics (ABS) Data Quality Framework to enable people who collect and use statistical data to make an assessment about the data's fitness for purpose, and assist them in making a comprehensive and multi-dimensional assessment of the data's quality.

In doing so, the tool encourages you to think more closely about the quality of statistical information. It also encourages you to communicate the key characteristics of the data which impact on quality.

In turn, it enables your users to understand how they can use and re-use data.

This website contains:

- a series of resources to help users
- a [Data Quality Statement Tool](#) to assist the drafting a Quality Statement and assessing of data quality

Been here before? [Get started now!](#)



press start
to go!

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Been here before? Get started now!



press start
to go!

or reload
earlier work

About the Tool and the Process

Who can use Data Quality Online?

There are many people who will find Data Quality Online useful. Not only is it available for anybody to use.

Data Quality Online will help a vast range of data suppliers, collectors and users draft Data Quality Statements. Data Quality Statements can assist and encourage others to use your data and may assist while assessing your data's fitness for purpose. The assistant demonstrates how you can apply the ABS Data Quality Framework when commenting on and assessing the fitness of your data.

Data Quality Online also supports the creation of draft Data Quality Statements for COAG national reporting, while supporting general purposes statements for a variety of data sources (including survey, administrative and multiple source).

When you have completed the process you will have the opportunity to produce a Data Quality Statement, which can be used to accompany a dataset, report or metadata register entry.

How does it work?

Data Quality Online will ask you a series of questions to assess the quality of your information. Your answers will be used to automatically generate a draft Data Quality Statement, which can then be further refined outside of this system.

You don't have to register to use this assistant. Any information you choose to convey will not be stored by the Australian Bureau of Statistics, the National Statistical Service or this website.

You can also save your progress at any time while drafting your Data Quality Statement. When you're done, the assistant will produce an .XML file that can easily be uploaded from the web at any time. You may also choose to print or produce a PDF document of your Data Quality Statement at your leisure.

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anyone can use it

it's based on the ABS DQF

About a Data Quality Statement

What exactly is involved?

It's easy to draft Data Quality Statements using Data Quality Online. To draft your very own Data Quality Statement, follow these three simple steps:

- a. **Identify** the data that is being assessed
- b. **Review** and assess the data against each of the seven dimensions:

1. [Institutional Environment](#)
2. [Relevance](#)
3. [Timeliness](#) A dimension of quality relating to how well the data meets the needs of the user in terms of the concept(s) measured and the population(s) presented.
4. [Accuracy](#)
5. [Coherence](#)
6. [Interpretability](#)
7. [Accessibility](#)

- c. **Create** a Data Quality Statement.

Throughout each step, you will be asked questions relating to each element of quality listed above. You will also be provided with an option to input additional details as appropriate.

special terms are defined in context

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Environment](#)[Relevance](#)[Timeliness](#)[Accuracy](#)[Coherence](#)[Interpretability](#)[Accessibility](#)[Output](#)

Contact Details

The details below will be included in your draft Data Quality Statement, to serve as a point of contact for users (e.g. Productivity Commission). Fields marked with * are mandatory.

Contact Name*:

Contact Email Address*:

Contact Telephone Number*:

Contact Agency*:

contact details
are for user
reference only

NOTE: Information entered into the Data Quality tool is only retained by the website for the duration of your session. When you save your session, the information is stored by your local computer or network.

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Data Details

Please provide the following details about the data you are assessing. The fields marked with * are mandatory.

What sort of quality statement are you drafting?*: COAG National Agreement Reporting General Purpose - "Coming Soon"

Please select the COAG National Agreement Area for which you are reporting.

Education

Please indicate the COAG Performance Indicator for which you are reporting.

- The proportion of children (1) enrolled in and (2) attending school
- The proportion of Indigenous and low SES children (1) enrolled in an...
- The proportion of Indigenous students completing year 10
- Literacy and numeracy achievement of year 3, 5, 7 and 9 students in ...
- The proportion of the 20-24 year old population having attained at l...**
- The proportion of young people participating in post-school education.
- The proportion of 18 to 24 year olds engaged in full time employment...
- NAPLAN performance - (i) national, by jurisdiction, by geo-location;...
- NAPLAN student participation rates - (i) national, by jurisdiction, ...
- Apparent retention rates from year 7-8 (i) national, by jurisdiction,...

The proportion of the 20-24 year old population having attained at least a year 12 or equivalent or AQF Certificate II; and, The proportion of the 20-24 year old Indigenous and low SES population having attained at least a Year 12 Certificate or equivalent or AQF Certificate II.



Institutional Environment - Data for Council of Australian Governments (COAG) Performance Reporting

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The following questions and examples relate to **Institutional Environment** and are considered to be of **high** importance for all Data Quality Statements. Note: Please respond using full sentences.

Purpose: To advise COAG of the organisational context in which the data is collected to aide in the assessment of the credibility of the data.

Which organisation collects the data and what sort of organisation is this?

n.b. If more than one organisation collects the data, please provide details as appropriate.

e.g. The data was collected by the State education Departments using a private contractor called Education R Us.

ABS

What authority/legislation/agreement was the data collected under? e.g. State governments are bound by the Privacy Act, and Education R Us signed an undertaking regarding the privacy and confidentiality of the data provided.

Census and Statistics Act

Which organisation compiles the data and what sort of organisation is this?

n.b. If more than one organisation compiles the data, please provide details as appropriate.

e.g. The data was compiled by the Australian Bureau of Statistics, a federal government statistical agency.

AIHW

each dimension starts with specific questions...

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This section is for additional information not already covered for this dimension, and will appear in the final report. The following are some suggested questions for consideration.

Purpose: To advise COAG of the organisational context in which the data is collected to provide in the assessment of the reliability of the data.

Please consider the below questions and respond using full sentences (maximum of 300 words).

- Is statistical confidentiality guaranteed, and if so, under what authority or legislation?
- To what extent, and how quickly are any identified errors in published statistics corrected and publicised?

Statistical confidentiality is guaranteed by the Census and Statistics Act.
Identified errors are corrected by amendments published on the ABS website.

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This section is for additional information not already covered for this dimension, and will appear in the final report. The following are some suggested questions for consideration.

Purpose: To advise COAG of the organisational context in which the data is collected to be made in the assessment of the reliability of the data.

Please consider the below questions and respond using full sentences (maximum of 300 words)

- Is statistical confidentiality guaranteed, and if so, under what authority or legislation?
- To what extent, and how quickly are any identified errors in published statistics corrected and publicised?

Statistical confidentiality is guaranteed by the Census and Statistics Act. Identified errors are corrected by amendments published on the ABS website.

... and finishes with an open question

users can also ask for help from an expert

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Data Tool Output Screen

Please select an option below:

[Print Preview](#)[Download XML](#)[Download PDF](#)[Download RTF](#)

What is an XML file?

You can choose to save or open this file. XML is a common internet format for storing and transporting data. XML files can be easily reproduced by XML-aware software into a friendlier presentation format.

answers are turned
into a draft quality
statement, in
several formats...

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Quality Statement -- COAG

Indicator:	Proportion of 20 to 64 year olds who do not have qualifications at or above a AQF Certificate III
Measure:	Numerator: Number of 20 to 64 year olds who do not have qualifications at or above a AQF Certificate III Denominator: Number of 20 to 64 year olds
Data Source:	Census of Population and Housing
Institutional Environment:	Data Collector(s): ABS Collection authority: Census and Statistics Act Data Compiler(s): AIHM Statistical confidentiality is guaranteed by the Census and Statistics Act. Identified errors are corrected by amendments published on the ABS website.
Relevance:	Level of Geography: Data is available at LGA level. Data Completeness: Data is available for all states separately, ACT and NT data is combined. Indigenous Statistics: Indigenous statistics are available except for remote areas. Socioeconomic status data: Socioeconomic status is available at state and territory level. Numerator/Denominator Source: Numerators and denominators are both sourced from the same data source.
Timeliness:	<input type="checkbox"/>
Accuracy:	<input type="checkbox"/>
Coherence:	The numerator and denominator for the percentages or rates in this data set are from the same data source or collection. The numerator and denominator are compiled from a single source. The data is consistent over time. The data is consistent with data supplied in previous reporting round. Jurisdiction estimate calculation: -- Jurisdiction estimates are comparable with each other Jurisdiction/Australia estimate calculation: -- The data is collected the same way for all populations. Collections across populations: -- The data collected in the same way between Australia and jurisdictions. No changes to the underlying data collection.
Interpretability:	<input type="checkbox"/>
Accessibility:	<input type="checkbox"/>

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For further information please contact:

Name:	Simon Wall
Agency:	ABS
Telephone Number:	6252 6300
Email Address:	simon.wall@abs.gov.au

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This example is in Microsoft Word

XML File Uploader

You can amend previously created Quality Statements (stored by you) here. Note: You will not be able to upload a file that has been created by another system.

[How do I upload?](#)

Choose the xml file to upload:

sessions
can be
saved and
reloaded