

Name of dataset or data source:

NSW ICT Survey - Collection 2014/15

Custodian of the dataset or data source:

Department of Finance, Services and Innovation

Description:

This dataset represents the data collected by the Department of Finance, Services and Innovation (formerly Office of Finance and Services) to support the development of ICT Metrics Report. Data was collected from the top ICT Spending Agencies across NSW Government to give a representation of overall state spending.

Data quality rating:

- Institutional Environment
- ★ Accuracy
- Coherence
- ★ Interpretability
- Accessibility



## INSTITUTIONAL ENVIRONMENT

Medium



- ✓ The agency publishing this data is the recognised data custodian.
- ✓ Data governance roles and responsibilities are clearly assigned for this dataset or data source.
- ✓ Custodian has declared a commercial interest or conflict of interest in the data.

- ✗ Data is not collected or managed according to a data quality framework.
- ✗ Data collection is not mandated or required by a law, regulation or agreement.

Find out more about the data governance responsibilities from the Custodian (contact details below).

Custodian interest in the data: Directly or indirectly responsible for the whole of government ICT Strategy.



## ACCURACY

High



- ✓ This data has been subject to quality assurance processes. ie Checking for errors at each stage of data collection and processing, or verifying data entry and making corrections if necessary.

- ✓ The data collection met the objectives of the primary user. The data correctly represents what it was designed to measure, monitor or report. Refer to *Scope and Coverage* in the last section of this report for more information.
- ✓ There are known gaps in the data. (For example: non-responses, missing records, data not collected.) Gaps are identified in caveats attached to the dataset or data source.
- ✓ There have been adjustments, changes or other factors that could impact the **validity** of the data. (For example: weighting, rounding, de-identification of data; changes or flaws in data collection or verification methods.) Adjustments are identified in caveats attached to the dataset or data source.
- ✓ The revision policy is described below

Find out more about the quality assurance processes from the Custodian.  
Revision policy: If errors are identified, data is revised and the revision is publicised. Agency submissions, once approved are considered final. Errors in analysis will be updated, and the update published.



## COHERENCE

Medium



- ✓ Standard definitions, common concepts, classifications and data recording practices have been used.
- ✓ Elements within the data can be meaningfully compared.
- ✓ This data is part of a time series. There have not been any significant changes in the way data items are defined, classified or counted since the start of the series.

- ✗ This data is not consistent with similar or related data sources.
- ✗ This data may not be consistent with previous releases. There have been changes in methodology or external impacts since the last release in this series.

More information about standards: Expenditure definitions are aligned with Australian Accounting Standards (AAS). Job family definitions are mapped to the Australian and New Zealand Standard Classification of Occupations (ANZSCO) for ICT. ICT metrics classifications are broadly based on categories defined by Gartner Inc. Definitions have been used and are provided in the ICT Survey Taxonomy 2014-15.

More information about similar or related sources: ICT Survey data may not be comparable with financial reports or Treasury data due to differences in scope or definitions.

This dataset or data source is part of a time series.

Data was first collected or produced on 01/07/2008

More information about changes or events which have impacted the data since the last release: The ICT Survey commenced with the 2008-2009 financial year and there have been several changes in methodology. Data from past surveys is cleaned to improve consistency of data.

**INTERPRETABILITY**

Medium



- ✓ A **data dictionary** is available to explain the meaning of data elements, their origin, format and relationships.
- ✓ Information is available about the primary data sources and methods of data collection. (For example: instruments, forms, instructions.)
- ✓ Information is available to explain concepts, help Users correctly interpret the data and understand how it can be used.
- ✓ Information is available to explain ambiguous or technical terms used in the data.

- ✗ There is no further information available to help users evaluate the accuracy of the data and any level of error.

Find out more about the data dictionary from the Custodian (contact details below).

Find out more about the primary data sources and methods of data collection from the Custodian (contact details below).

Find out more about concepts used in this dataset and how to understand or interpret the data from the Custodian (contact details below).

Find out more about ambiguous or technical terms used in the data from the Custodian (contact details below).

**ACCESSIBILITY**

Medium



- ✓ This dataset or data source is available online with an **open licence** –Attribution (CC BY)
- ✓ This dataset or data source is available in a **machine-processable, structured format**.
- ✓ This dataset or data source is available in a **non-proprietary format**.

- ✗ This dataset or data source is not described using **open standards** and **persistent identifiers**.
- ✗ This dataset or data source is not **linked to other data**.

This dataset or data source is available in the following digital file types or formats: CSV, XLS

Additional information about the use of identifiers and links to other data: N/A

## Information to help users evaluate relevance

### ***Scope & Coverage:***

What the data was designed to measure, monitor, or report: The ICT Survey informs key stakeholders on alignment of ICT expenditure and capability against government objectives. It enables transparent expenditure reporting and evaluation. It highlights trends that inform government ICT strategic direction.

Target of the data collection: Data was collected from agencies representing an estimated 90 percent of NSW Government ICT expenditure.

Some exclusions applied to the data collection:

Agencies with ICT expenditure below an estimated \$5 million were excluded. Exclusions may affect estimation of overall expenditure.

### ***Geographic detail:***

Data cover the following geographic area(s): State

The data are available at the following levels of geography: Local Health District (LHD)

At lower levels of geography, the data are represented or apportioned as follows: Local Health District responses to the survey questions are included in the data.

### ***Outputs:***

The data are available as: Analytical (structured content, aggregated or derived information), Authored (unstructured content, documents, multimedia or applications)

### ***Other cautions:***

The data does not represent or cover: NSW Local Governments, Australian Federal Government, any private entities of any kind, any expenditure that is not related to ICT.

Other cautions or recommendations to enable effective use and interpretation of the data: Data is based on respondent data, not direct data collection from the source systems within agencies. Given the complexity of the classification of expenditure, errors exist and these cannot be totally eliminated from the data.

### ***Reference period:***

Period for which the data were obtained: 01/07/2014 - 30/06/2015

There were some exceptions to the data collection or observation period:

Two agencies in Health did not submit data for the 2014-2015 survey. The dataset uses the responses supplied in 2013-14 to mitigate this gap and enable broad, whole of government analyses of the data.

### ***Timing:***

Updates and revisions: If errors are identified, data is revised and the revision is publicised

The data became available (ie released or published) on: 02/05/2016

**Frequency of production:**

Data is collected or expected to be produced: Annually (every year)

**DATA DISCLAIMER**

NSW Government is committed to producing data that is accurate, complete and useful. Notwithstanding its commitment to data quality, NSW Government gives no warranty as to the fitness of this data for a particular purpose. While every effort is made to ensure data quality, the data is provided “as is”. The burden for fitness of the data relies completely with the User. NSW Government shall not be held liable for improper or incorrect use of the data.

For more information about this dataset or data source, contact:	Ray Evans Director - ICT Investment ICT & Digital Strategy and Assurance
Custodian email:	ICTSurvey@finance.nsw.gov.au
Custodian phone:	(02) 9372 8760

 **Understanding the Data Quality Statement**

The data quality statement aims to help you understand how a particular dataset could be used and whether it can be compared with other, similar datasets. It provides a description of the characteristics of the data to help you decide whether the data will be fit for your specific purpose.

**About the quality rating:**

The reporting questionnaire asks five questions for each of these data quality dimensions:

- Institutional Environment
- Accuracy
- Coherence
- Interpretability
- Accessibility

For each question: “yes” = 1 point; “no” = 0 points

The number of points determines the Quality Level for each dimension (high, medium, low).

Only dimensions with four or five points receive a star.

Points	Quality Level	Star / No Star
0	LOW	No Star

1	LOW	No Star
2	LOW	No Star
3	MEDIUM	No Star
4	MEDIUM	Star
5	HIGH	Star

### More information?

The data quality reporting questionnaire and further explanation of the data quality dimensions is provided in the NSW Government Standard for Data Quality Reporting published at <http://finance.nsw.gov.au/ict/data-interopability-standards>



## Evaluating data quality

Quality relates to the data's "fitness for purpose". Users can make different assessments about the data quality of the same data, depending on their "purpose" or the way they plan to use the data.

The following questions may help you evaluate data quality for your requirements. This list is not exhaustive. Generate your own questions to assess data quality according to your specific needs and environment.

- What was the primary purpose or aim for collecting the data?
- How well does the coverage (and exclusions) match your needs?
- How useful are these data at small levels of geography?
- Does the population presented by the data match your needs?
- To what extent does the method of data collection seem appropriate for the information being gathered?
- Have standard classifications (eg industry or occupation classifications) been used in the collection of the data? If not, why? Does this affect the ability to compare or bring together data from different sources?
- Have rates and percentages been calculated consistently throughout the data?
- Is there a time difference between your reference period, and the reference period of the data?
- What is the gap of time between the reference period (when the data were collected) and the release date of the data?
- Will there be subsequent surveys or data collection exercises for this topic?
- Are there likely to be updates or revisions to the data after official release?