  
**Statistical Working Group  
Statistical Guidelines**

**CL\_RELIABILITY Code list for Data Reliability**

**Version 1.0**

#### CL\_RELIABILITY

**Name**: Code list for Data Reliability.

**Description**: Reliability refers to the closeness of the initial estimated value(s) to the subsequent estimated values[[1]](#footnote-1). This code list provides coded information about the "quality" of an observation (with respect to events such as the ones reflected in the codes composing the code list). The data reliability provides information on the quality of a value.

The concept to be used for CL\_RELIABILITY is RELIABILITY.

**See also**

* "Guidelines for the Creation and Management of SDMX Cross-Domain Code Lists"[[2]](#footnote-2)

**Established international standard(s) used as input for the code list**: None.

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| --- | --- | --- |
| **Code** | **Name** | **Description** |
| **A** | Very High reliability | This indicates existing observations for which the user should also be aware of the very high quality assigned and the very low chances of revision of the published value. |
| **B** | High reliability | This indicates existing observations for which the user should also be aware of the high quality assigned and the low chances of revision of the published value. |
| **C** | Medium reliability | This indicates existing observations for which the user should also be aware of the medium quality assigned and the possibility of revision of the published value. |
| **D** | Low reliability | This indicates existing observations, but for which the user should also be aware of the low quality assigned and the high chances of revision of the published value. |
| **E** | Very low reliability | This indicates existing observations, but for which the user should also be aware of the very low quality assigned and the very high chances of revision of the published value. |
| **\_U** | Unknown | Unknown reliability |
| **\_Z** | Not applicable | To be used when the reliability is mandatory in the DSD and it is not applicable for the data set |

**Default value**

In some implementations the concept RELIABILITY may not have been defined as "mandatory" within the data structure definition (DSD). If this is the case, each single observation may not be necessarily accompanied by a RELIABILITY code value and, if no value has been associated to an observation, the default code value ("\_U" – Unknown reliability) can be assumed.

**CL\_RELIABILITY and OBS\_STATUS**

The RELIABILITY concept can be used in combination with OBS\_STATUS, when the OBS\_STATUS = U “Low reliability”, the CL\_RELIABILITY = D “Low reliability” and CL\_RELIABILITY codes can be used independently with the other codes of OBS\_STATUS.

The Food Waste Index data under SDG Indicator 12.3.1b uses the OBS\_STATUS = E “Estimated” and the CL\_RELIABILITY codes can be used independently and may vary by observation from B “High reliability” to E “Very low reliability”.

**Additional Reference Metadata in the Food Waste Index Report 2021[[3]](#footnote-3)**

*High confidence estimates:* developed using a robust methodology, covering a substantial part of the country and with no adjustment of the data required to align it with the current studies’ purposes; and

*Medium confidence estimates:* measured using methodologies that may be suitable for detecting larger changes in food waste, e.g., data points from cities used to represent a country, data points requiring adjustment to align with the current studies’ purposes.

Low confidence estimates: extrapolation from estimates from at least 10 similar countries, of which at least five are in the same region

Very low confidence estimates: All others: Extrapolation from few than 10 estimates or fewer than five from the same region

https://www.unep.org/resources/report/unep-food-waste-index-report-2021

1. https://stats.oecd.org/glossary/detail.asp?ID=5120#:~:text=OECD%20Statistics,to%20the%20subsequent%20estimated%20values. [↑](#footnote-ref-1)
2. Documents available from: https://sdmx.org/?page\_id=4345 [↑](#footnote-ref-2)
3. Documents available from: https://sdmx.org/?page\_id=4345

   ces/report/unep-food-waste-index-report-2021 [↑](#footnote-ref-3)