

EUROCAT Data Management Software

Analyse data

Data Quality Indicators & Missing values

View reports about the quality and the completeness of the data

Introduction

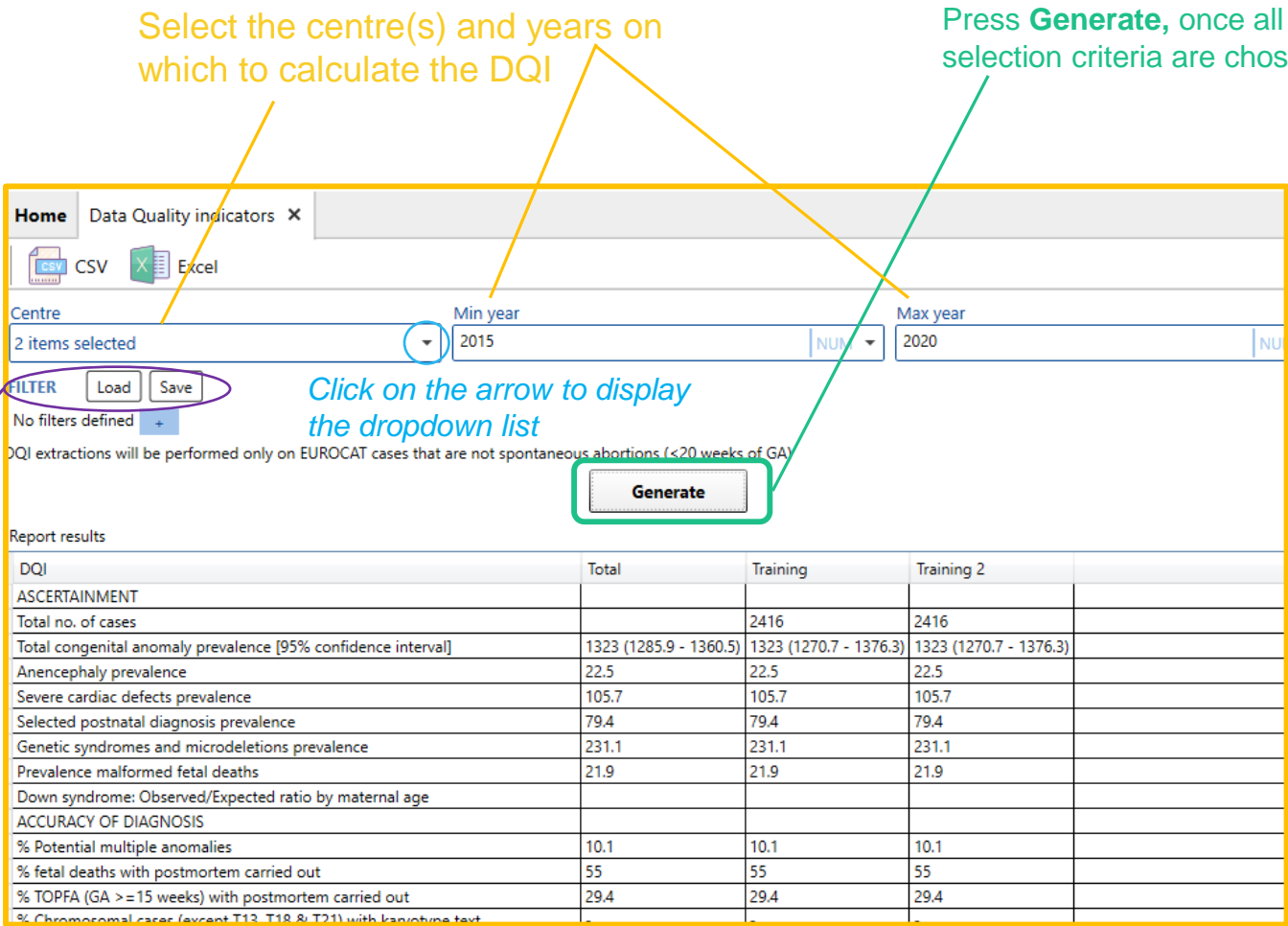
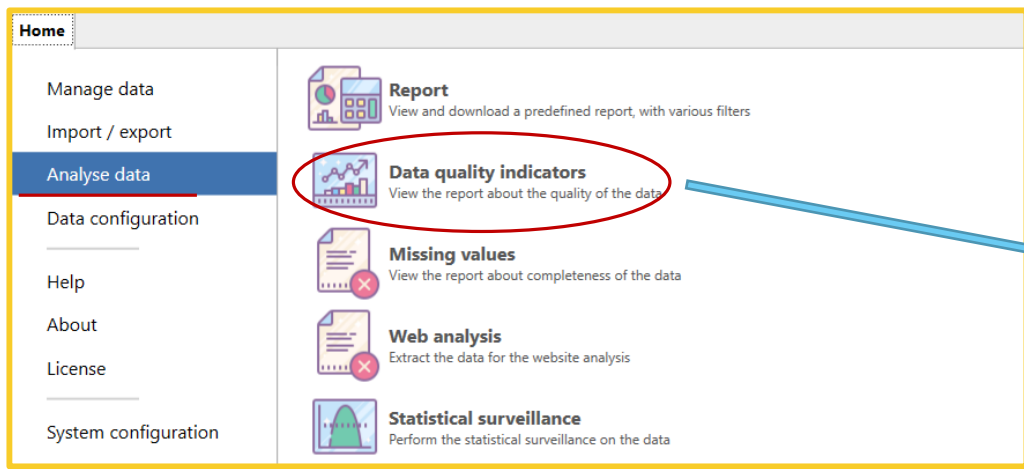
- The section *Home>Analyse data>Data Quality Indicators* allows to **perform reports** about the **quality of the data** (see [page 4](#)).
- [Chapter 5.2](#) of Guide 1.5 defines the **Data Quality Indicators (DQI)** used by EUROCAT to assess the following dimensions: *Case ascertainment, Accuracy of Diagnosis, Completeness of Information, Timeliness, Denominator information*.
- The **DQI of all full members** registries are published on the [EUROCAT Website](#). The DQI of a particular registry can be compared to the EUROCAT average. Strong deviations on either side of the average should be examined.
- The section *Home>Analyse data>Missing values* allows to **edit reports** about the **completeness of the data** (see [page 6](#))
- **Missing frequency tables** of all full members registries are also published on the [EUROCAT Website](#).

Table of contents

1. Data Quality Indicators
2. Missing values

Data Quality indicators

Selection criteria and generation



You could add any relevant filters to restrict the sample on which the report is done (see chapter on [Export - Preliminary notions of this user guide](#)).

DQI are calculated on EUROCAT cases that are not spontaneous abortions, for each of the selected centers separately and pooled.

DQI	Total	Training	Training 2
ASCERTAINMENT			
Total no. of cases		2416	2416
Total congenital anomaly prevalence [95% confidence interval]	1323 (1285.9 - 1360.5)	1323 (1270.7 - 1376.3)	1323 (1270.7 - 1376.3)
Anencephaly prevalence	22.5	22.5	22.5
Severe cardiac defects prevalence	105.7	105.7	105.7
Selected postnatal diagnosis prevalence	79.4	79.4	79.4
Genetic syndromes and microdeletions prevalence	231.1	231.1	231.1
Prevalence malformed fetal deaths	21.9	21.9	21.9
Down syndrome: Observed/Expected ratio by maternal age			
ACCURACY OF DIAGNOSIS			
% Potential multiple anomalies	10.1	10.1	10.1
% fetal deaths with postmortem carried out	55	55	55
% TOPFA (GA >= 15 weeks) with postmortem carried out	29.4	29.4	29.4
% Chromosomal cases (except T13, T18 & T21) with karyotype text			

Data Quality indicators

Export to csv or Excel

Once generated, the report can be exported to csv or Excel.

DQI	Total	Training	Training 2
ASCERTAINMENT			
Total no. of cases		2416	2416
Total congenital anomaly prevalence (95% confidence interval)	1323 (1285.9 - 1360.5)	1323 (1270.7 - 1376.3)	1323 (1270.7 - 1376.3)
Anencephaly prevalence	22.5	22.5	22.5
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Genetic syndromes and microdeletions prevalence	231.1	231.1	231.1
Prevalence malformed fetal deaths	21.9	21.9	21.9
Down syndrome: Observed/Expected ratio by maternal age			
ACCURACY OF DIAGNOSIS			
% Potential multiple anomalies	10.1	10.1	10.1
% fetal deaths with postmortem carried out	55	55	55
% TOPFA (GA >= 5 weeks) with postmortem carried out	29.4	29.4	29.4
% Chromosomal aberrations (T13, T18, & T21) with karyotype test			

Export to Excel:
Choose a location and a filename.
Once saved, the Excel generated will open immediately

Export to csv:

You can change the delimiter

The following columns will be exported:

DQI	Total	Training	Training 2
Total			
Training			
Training 2			

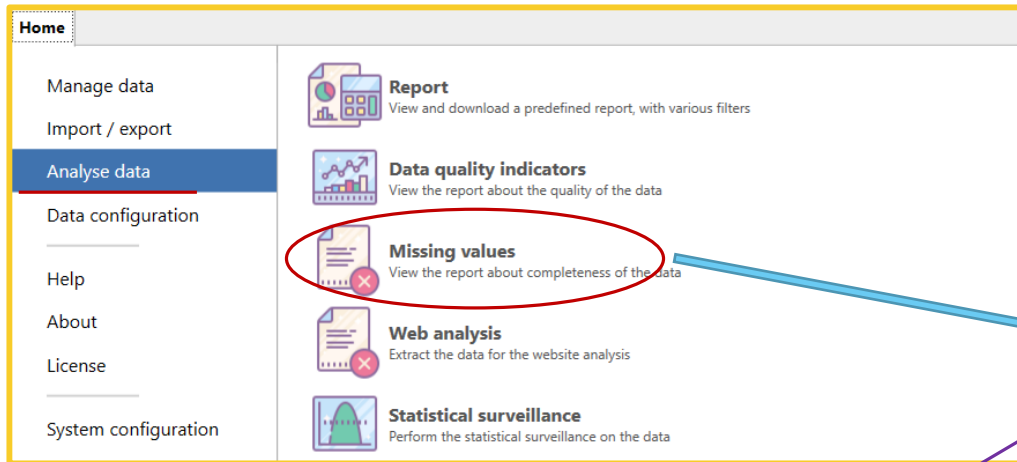
Click on the columns name to unselect / select it. By default, they are all selected

Press **Export** and browse the location where you want to save the file.

You can enter a different file name

Missing values

Selection criteria and generation



You could add any relevant filters to restrict the sample on which the report is done (see chapter on [Export - Preliminary notions of this user guide](#)).

Select the centre(s) and years on which to calculate the missing frequencies

Missing values can be **generated by year**, to see their evolution in time, **or by centre**, to compare several registries.

Click on the arrow to display the dropdown list

Non missing %		2015	2016	2017	2018	2019	2020	All
sex	No	99.59	99.02	99.59	99.6	99.6	99.56	99.47
nbrbaby	No	100	100	100	100	100	100	100
nbrmalf	Yes	100	100	100	100	100	100	100
type	No	100	100	100	100	100	100	100
weight	Yes	100	100	100	100	100	100	100
gestlength	No	100	100	100	100	100	100	100
death_date	Yes	97.1	98.79	99.5	100	99.51	100	99.26
survival	Yes	100	100	100	100	100	100	100
whendisc	No	100	100	100	100	100	100	100
agedisc	Yes	100	100	100	100	100	100	100
condisc	No	100	100	100	100	100	100	100
karyo	No	100	100	100	100	100	100	100
pm	Yes	18.93	20.47	21.02	21.27	22.54	22.57	21.2
datemo	No	100	100	100	100	100	100	100
residmo	No	100	100	100	100	100	100	100

The output includes, for each variable in the database:

- % of non missing values
- % of missing + unknown + invalid values
- Number of cases with non missing values
- Total number of cases
- % of unknown values
- Number of cases with unknown values
- % of invalid values
- Number of cases with invalid values
- Number of cases with missing + unknown + invalid values

Missing values

Export to csv

Once generated, the report can be exported to csv or Excel.

DQI	Total	Training	Training 2
ASCERTAINMENT		2416	2416
Total no. of cases		1323 (1270.7 - 1376.3)	1323 (1270.7 - 1376.3)
Total congenital anomaly prevalence (95% confidence interval)	1323 (1285.9 - 1360.5)	1323 (1270.7 - 1376.3)	1323 (1270.7 - 1376.3)
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Down syndrome - Observed/Expected ratio by maternal age			
ACCURACY OF DIAGNOSIS			
% Potential multiple anomalies	10.1	10.1	10.1
% fetal deaths with postmortem carried out	55	55	55
% TOPFA (GA >= 5 weeks) with postmortem carried out	29.4	29.4	29.4
% Chromosomal aberr (avert T13, T18 & T21) with karyotype test			

Export to csv:

Browse the folder where the csv must be saved

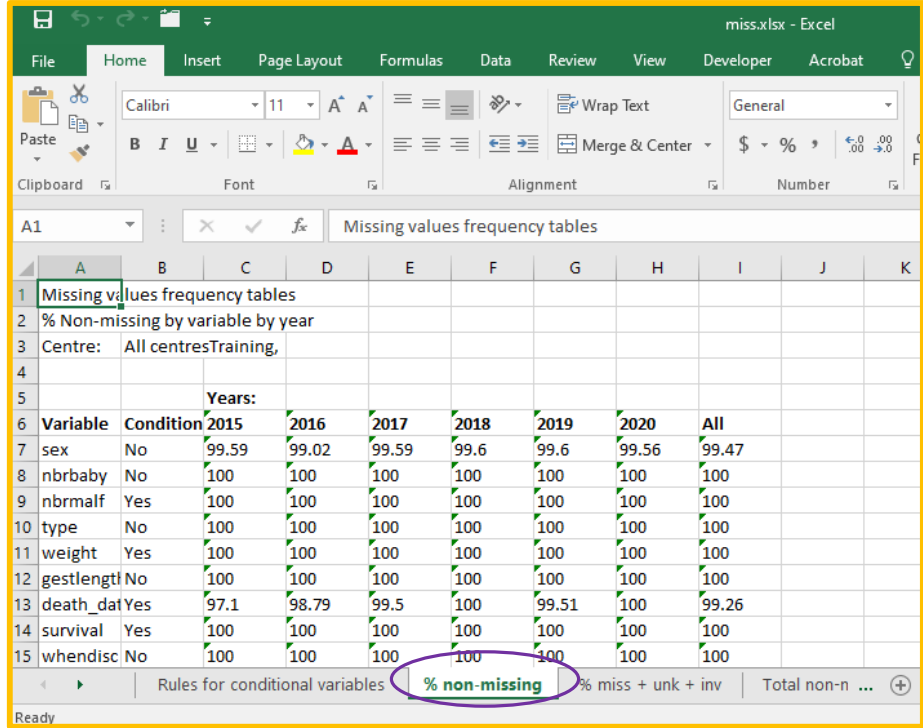
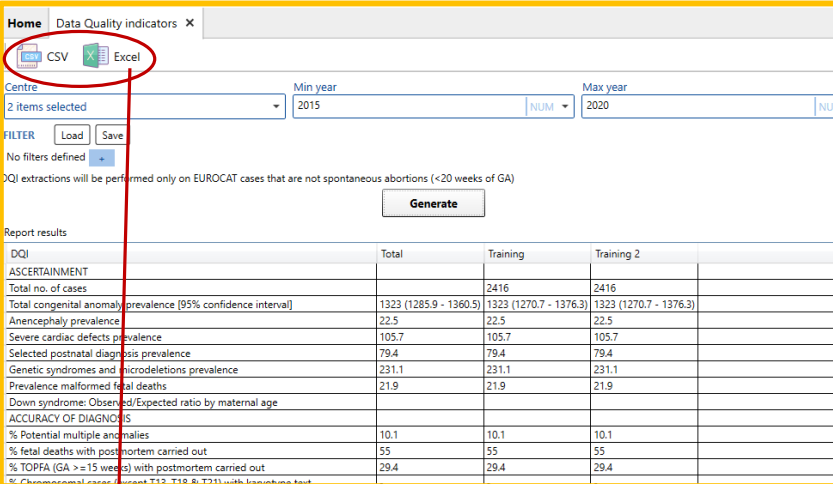
You could also create a new folder in a relevant place if needed

Press **OK**.
One csv file is generated for each of the indicators described [page 6](#).

Missing values

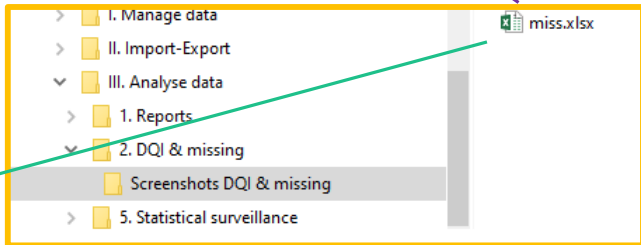
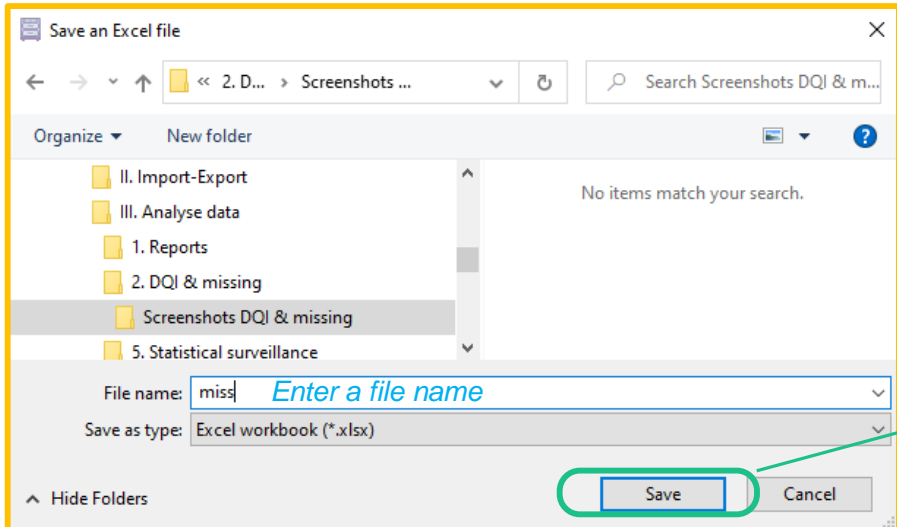
Export to Excel

Once generated, the report can be exported to csv or Excel.



One spreadsheet per indicator

Export to Excel:
Choose a location and a filename.
Once saved, the Excel generated will open immediately



Press **SAVE**.
One unique excel is generated with one spreadsheet for each of the indicators described [page 6](#).

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