

EUROCAT Data Management Software

Analyse data
Web analysis

Extract the data for the website analysis

Introduction

- After each submission, the central registry asks local registries to **validate the data** prepared for the [EUROCAT website](#).
- To do this, they must connect to the **EUROCAT members' area**, reserved for authorised [members](#), and check the prevalence table as well as the prenatal detection rates for their own registry.
- The *Home>Analyse data>Web analysis* allows to **output the relevant tables** for this validation. In this document, [section 1](#) explains how to validate the prevalence table. [Section 2](#) is related to the prenatal detection rates.
- The *Home>Analyse data>Web analysis* also enables to calculate **perinatal mortality indicators** related to congenital anomalies ([section 3](#)). They are updated every five years and published on the [website](#).
- All the results are calculated excluding cases with no major malformations and/or spontaneous abortions or unknown type of birth. **Ignored cases** gives the list of cases that have been excluded ([section 4](#))

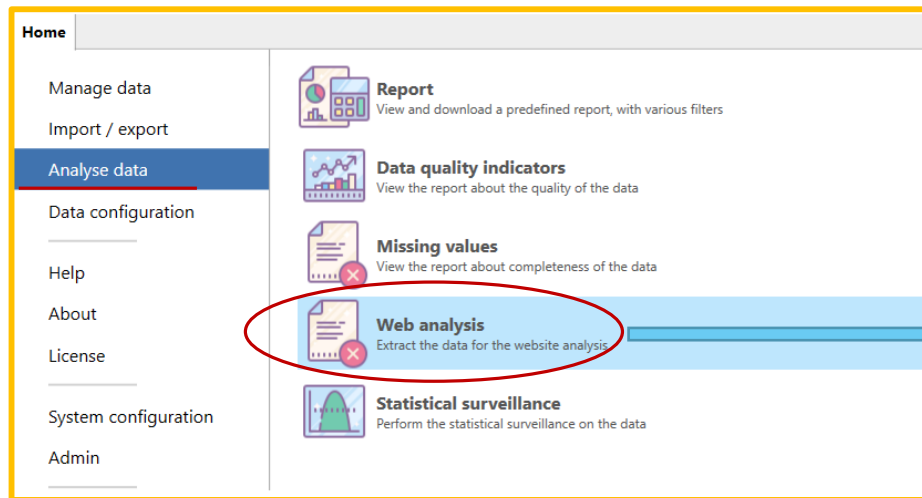
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1. Generate web data

Generate web data

Selection criteria and generation



Select the centre(s) and years on which to calculate the number of cases and prevalence by anomaly subgroups

Press **Generate web data**, once all selection criteria are chosen

The screenshot shows the 'Web analysis' interface. At the top, there are tabs for 'Home' and 'Web analysis'. Below the tabs, there are input fields for 'Centre' (set to 'Training'), 'Min year' (set to '2015'), and 'Max year' (set to '2020'). There are also buttons for 'FILTER', 'Load', and 'Save'. Below these, there is a note: 'All extractions will be performed only on EUROCAT cases that are not spontaneous abortions (<20 weeks of GA)'. At the bottom, there are several buttons: 'Generate web data' (highlighted with a green circle), 'Prenatal detection rates', 'Perinatal mortality', 'Ignored cases', and 'Manage centres'. Below the buttons is a table with columns: 'reg', 'yr', 'anom', 'anomdesc', 'nlvb', 'nstlb', 'niab', 'nallb', 'rallb', 'dtlrb', 'dlvb', 'exclanom', 'nlvb_noc', and 'n'.

reg	yr	anom	anomdesc	nlvb	nstlb	niab	nallb	rallb	dtlrb	dlvb	exclanom	nlvb_noc	n
99	2015	1	All anomalies	203	3	33	239	772.46	3094	3085	0	179	3
99	2015	2	Nervous system anomalies	13	2	13	28	90.5	3094	3085	0	9	2
99	2015	3	Neural Tube Defects	1	0	7	8	25.86	3094	3085	0	1	0
99	2015	4	Anencephaly and similar	0	0	2	2	6.46	3094	3085	0	0	0
99	2015	5	Encephalocele and meningocele	0	0	3	3	9.7	3094	3085	0	0	0
99	2015	6	Spina Bifida	1	0	2	3	9.7	3094	3085	0	1	0
99	2015	7	Hydrocephaly	3	1	4	8	25.86	3094	3085	0	3	1
99	2015	8	Severe microcephaly	2	0	0	2	6.46	3094	3085	0	0	0
99	2015	9	Arhinencephaly / holoprosencephaly	0	1	1	2	6.46	3094	3085	0	0	1
99	2015	115	Agensis of corpus callosum	0	0	0	0	0	3094	3085	0	0	0
99	2015	10	Eye anomalies	3	0	1	4	12.93	3094	3085	0	2	0
99	2015	11	Anophthalmos / microphthalmos	2	0	1	3	9.7	3094	3085	0	1	0

Prevalence table are calculated on EUROCAT cases that are not spontaneous abortions, for each of the selected centres and individual years.

The button [Ignored cases](#) gives the list of cases that have been excluded (no major malformation and/or spontaneous abortions or unknown type of birth).

Generate web data

Export in csv

Results can be exported in a .csv file.

The delimiter can be modified to match the default delimiter in your local MS Excel

The screenshot shows the 'Web analysis' interface. The 'CSV' export option is circled in blue. Below it, there are filters for 'Centre' (Training), 'Min year' (2015), and 'Max year' (2020). There are buttons for 'Load', 'Save', and 'Generate web data'. A table of data is visible at the bottom.

reg	yr	anom	anomdesc	nlvb	nstlb	niab	nallb	rallb	dttlb	dlvb	exclanom	nlvb_noc	nstlb_noc	niab_noc	nallb_noc	rallb_noc
99	2015	1	All anomalies	203	3	33	239	772.46	3094	3085	0	179	3	0	0	0
99	2015	2	Nervous system anomalies	13	2	13	28	90.5	3094	3085	0	9	2	0	0	0
99	2015	3	Neural Tube Defects	1	0	7	8	25.86	3094	3085	0	1	0	0	0	0
99	2015	4	Anencephaly and similar	0	0	2	2	6.46	3094	3085	0	0	0	0	0	0
99	2015	5	Encephalocele and meningocele	0	0	3	3	9.7	3094	3085	0	0	0	0	0	0
99	2015	6	Spina Bifida	1	0	2	3	9.7	3094	3085	0	1	0	0	0	0
99	2015	7	Hydrocephaly	3	1	4	8	25.86	3094	3085	0	3	1	0	0	0
99	2015	8	Severe microcephaly	2	0	0	2	6.46	3094	3085	0	0	0	0	0	0
99	2015	9	Arhinencephaly / holoprosencephaly	0	1	1	2	6.46	3094	3085	0	0	1	0	0	0
99	2015	115	Agensis of corpus callosum	0	0	0	0	0	3094	3085	0	0	0	0	0	0
99	2015	10	Eye anomalies	3	0	1	4	12.93	3094	3085	0	2	0	0	0	0
99	2015	11	Anophthalmos / microphthalmos	2	0	1	3	9.7	3094	3085	0	1	0	0	0	0

The 'Export report result' dialog box shows the 'Delimiter' set to comma and 'Headers' set to 'Column names'. A list of columns to be exported is shown. A text box says: 'You can choose which columns to export. By default, all columns are exported. Click on the column names to unselect a column.' There are buttons for 'Select all', 'Unselect all', 'Close', and 'Export'.

Columns description:

reg	ID code of the Registry
yr	year of birth
anom	ID code of the anomaly subgroup (ref. EUROCAT Guide 1.5 Section 3.3)
nlvb	number of livebirth cases
nstlb	number of stillbirth cases
niab	number of TOPFA cases
nallb	number of total cases
rallb	prevalence rate of the total cases
dttlb	denominator – total births
dlvb	denominator – live births
exclanom	is 1 if the anomaly subgroup has not to be considered for incomplete data collection
nlvb_noc	number of livebirth cases excluding genetic conditions
nstlb_noc	number of stillbirth cases excluding genetic conditions
niab_noc	number of TOPFA cases excluding genetic conditions

Press **Export** and browse the folder where you'd like to save the file.

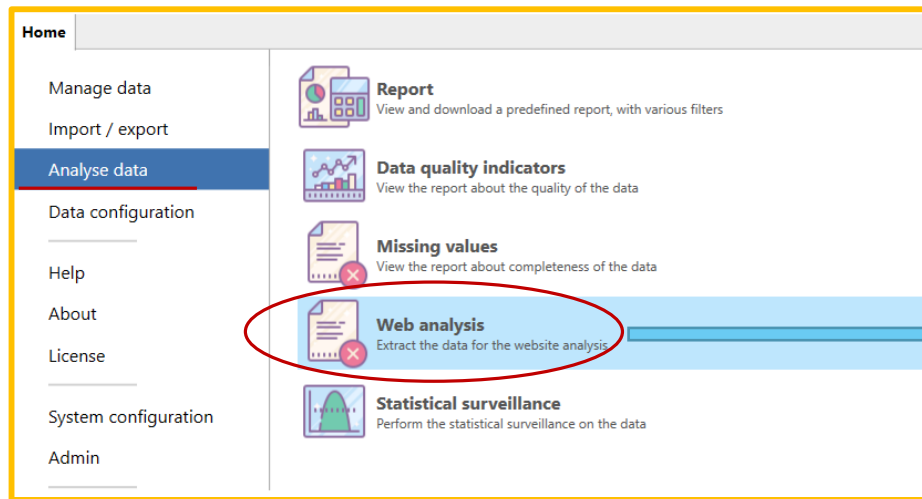
The 'Save As' dialog box shows the file name 'Export.csv' and the save type 'Comma separated file (.csv)'. There is a button for 'Save'.

Press **save** to finalise the export

2. Prenatal detection rates

Prenatal detection rates

Selection criteria and generation



Select the centre(s) and years on which to calculate the number of cases and prevalence by anomaly subgroups

Press **Prenatal Detection rates**, once all selection criteria are chosen

Click on the arrow to display the dropdown list

Press **Prenatal Detection rates**, once all selection criteria are chosen

Generate web data Prenatal detection rates Perinatal mortality Ignored cases Manage centres

centre	anom	total	whendiscnk	whendiscpre	prelive	presb	pretopf	prenk	postlive	postsb	pre13	pre1423	pre24	preg_nk	preage_34	preage_35	pre
99	1	1798	0	722	515	17	190	0	1064	0	81	337	304	0	578	144	0
99	4	37	0	37	1	1	35	0	0	0	29	8	0	0	32	5	0
99	6	47	0	43	4	0	39	0	4	0	5	32	6	0	34	9	0
99	7	54	0	46	19	1	26	0	8	0	4	26	16	0	38	8	0
99	19	24	0	21	18	2	1	0	3	0	1	13	7	0	19	2	0
99	30	14	0	12	4	2	6	0	2	0	1	10	1	0	11	1	0
99	102	49	0	38	34	1	3	0	10	0	2	26	10	0	32	6	0
99	48	24	0	19	14	1	4	0	4	0	2	9	8	0	16	3	0
99	50	11	0	11	9	0	2	0	0	0	7	4	0	0	10	1	0
99	51	12	0	11	3	0	8	0	1	0	8	3	0	0	9	2	0
99	53	8	0	8	2	0	6	0	0	0	0	8	0	0	8	0	0

Prenatal detection rates are calculated for periods of 5 years, excluding genetic conditions, on EUROCAT cases that are not spontaneous abortions, for each of the selected centres and individual years.

Registries are included in the calculation:

- if they have at least 4 out of the 5 years of analysis
- If they have less than 20% missing on the variable WHENDISC

Prenatal detection rates

Export in csv

The output consists of 2 tables:

- PD1-PD2: used to check if there are at least 4 years of data
- PD4: results to be compared with the website.

Results can be exported in .csv files.

EUROCAT Data Management Software

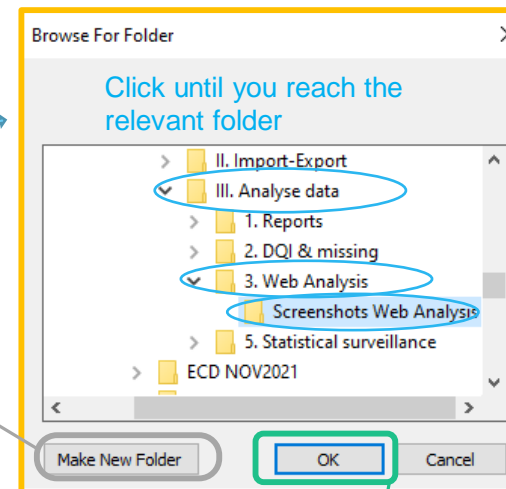
Home Web analysis x

Centre Training Min year 2016 Max year 2020

Generate web data Prenatal detection rates Perinatal mortality Ignored cases Manage centres

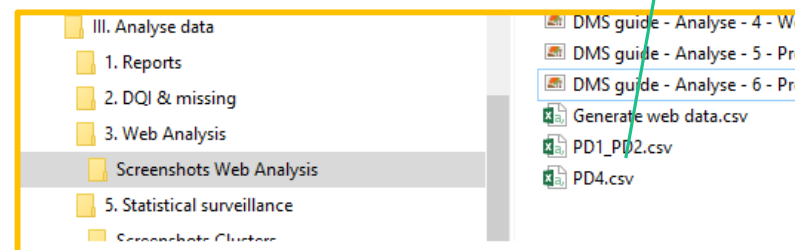
centre	anom	total	whendiscnk	whendiscpre	prelive	presb	pretopfa	prenk	postlive	postsb	pre13	pre1423	pre24	pregnk	preage_34	preage_35	preage_nk	postage_34	postage_35	ind_screen	ind_us	ind_age_other	ind_nk
99	1	1798	0	722	515	17	190	0	1064	0	81	337	304	0	578	144	0						
99	4	37	0	37	1	1	35	0	0	29	8	0	0	32	5	0							
99	6	47	0	43	4	0	39	0	4	0	5	32	6	0	34	9	0						
99	7	54	0	46	19	1	26	0	8	0	4	26	16	0	38	8	0						
99	19	24	0	21	18	2	1	0	3	0	1	13	7	0	19	2	0						
99	30	14	0	12	4	2	6	0	2	0	1	10	1	0	11	1	0						
99	102	49	0	38	34	1	3	0	10	0	2	26	10	0	32	6	0						
99	48	24	0	19	14	1	4	0	4	0	2	9	8	0	16	3	0						
99	50	11	0	11	9	0	2	0	0	0	7	4	0	0	10	1	0						
99	51	12	0	11	3	0	8	0	1	0	8	3	0	0	9	2	0						
99	53	8	0	8	2	0	6	0	0	0	0	8	0	0	8	0	0						

Browse the folder where the csv must be saved



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

Press OK.
Two csv files are generated (PD1_PD2 and PD4). Compare PD4 with the website.



Columns description of the table PD4:

centre	ID code of the Registry
anom	ID code of the anomaly subgroup (ref. EUROCAT Guide 1.5 Section 3.3)
total	total number of cases
whendisc_nk	number of cases with when discovered not known
whendisc_pre	number of cases with when discovered = prenately
pre_live	number of cases livebirth prenately detected
pre_sb	number of cases still birth prenately detected
pre_topfa	number of cases with TOPFA prenately detected
pre_nk	number of cases with prenately detected birth outcome not known
post_live	number of cases live births detected postnatally
post_sb	number of cases still births detected postnatally
pre_13	number of cases prenately detected with GA until 13 weeks
pre_1423	number of cases prenately detected with GA 14-23 weeks
pre_24	number of cases prenately detected with GA more or equal 24 weeks
pre_g_nk	number of cases prenately detected with GA not known
pre_age_34	number of cases prenately detected with age of the mother less or equal 34
pre_age_35	number of cases prenately detected with age of the mother more or equal 35
pre_age_nk	number of cases prenately detected with age of the mother not known
post_age_34	number of cases detected postnatally with age of the mother less or equal 34
post_age_35	number of cases detected postnatally with age of the mother more or equal 35
ind_screen	number of cases prenately detected with variable firstpre=5
ind_us	number of cases prenately detected with variable firstpre =1, 2, 3, 4
ind_age_other	number of cases prenately detected with variable firstpre =6,7
ind_nk	number of cases prenately detected with variable firstpre=8

Prenatal detection rates

Export in csv

The output consists of 2 tables:

- PD1-PD2: used to check if there are at least 4 years of data
- PD4: results to be compared with the website.

Results can be exported in .csv files.

Browse the folder where the csv must be saved

EUROCAT Data Management Software

Home Web analysis x

Centre Training Min year 2016 Max year 2019

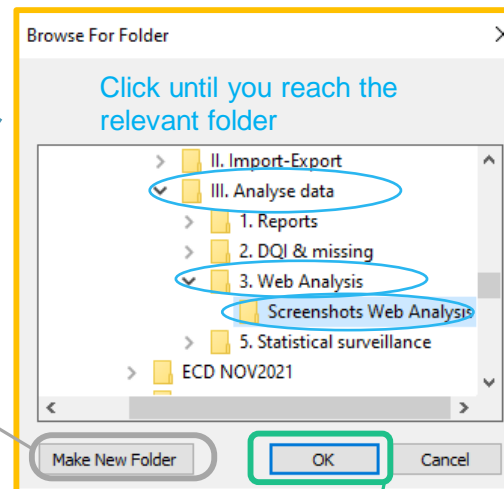
FILTER Load Save

No filters defined

Generate web data Prenatal detection rates Perinatal mortality Ignored cases Manage centres

PD1_PD2

centre	year	anom	chrom	tpd	lbpd	fdpd	iapd	tt	lbt	fdt	iat
99	2018	1	0	160	115	3	42	407	357	8	42
99	2019	1	0	164	124	4	36	405	363	6	36
99	2016	1	0	161	105	6	50	410	351	9	50
99	2017	1	0	164	118	4	42	390	344	4	42
99	2016	4	0	9	0	0	9	9	0	0	9
99	2017	4	0	6	1	0	5	6	1	0	5
99	2018	4	0	10	0	1	9	10	0	1	9
99	2019	4	0	7	0	0	7	7	0	0	7
99	2016	6	0	12	0	0	12	14	2	0	12
99	2017	6	0	3	0	0	3	3	0	0	3
99	2018	6	0	10	1	0	9	11	2	0	9
99	2019	6	0	13	2	0	11	14	3	0	11
99	2016	7	0	12	6	0	6	14	8	0	6
99	2017	7	0	12	3	0	9	15	6	0	9

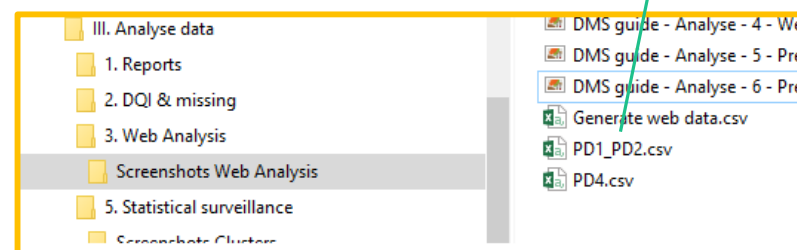


You could also create a new folder in a relevant place if needed

Press OK.
Two csv files are generated (PD1_PD2 and PD4). Compare PD4 with the website.

Columns description of the table PD1-PD2:

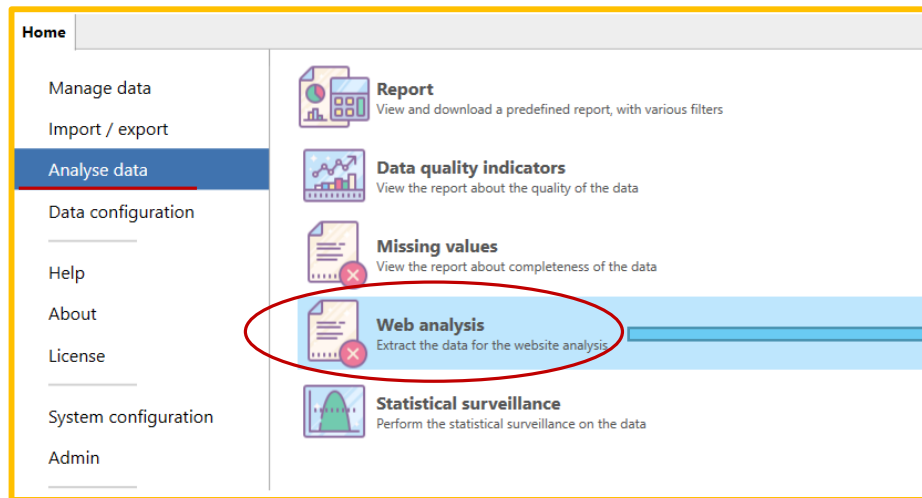
centre	ID code of the Registry
year	year of birth
anom	ID code of the anomaly subgroup (ref. EUROCAT Guide 1.5 Section 3.3)
chrom	is 1 for genetic subgroups
tpd	number of total cases prenatally detected
lbpd	number of live births cases prenatally detected
fdpd	number of fetal deaths cases prenatally detected
iapd	number of TOPFA cases prenatally detected
tt	total number of cases
lbt	total number of live births cases
fdt	total number of fetal deaths cases
iat	total number of TOPFA cases



3. Perinatal mortality indicators

Perinatal mortality indicators

Selection criteria and generation



Select the centre(s) and years on which to calculate the number of cases and prevalence by anomaly subgroups

Press **Perinatal mortality**, once all selection criteria are chosen

The screenshot shows the 'Web analysis' interface. At the top, there are tabs for 'Home' and 'Web analysis'. Below the tabs, there are icons for 'CSV' and 'Excel'. The 'Centre' dropdown menu is set to 'Training' and is highlighted with a blue circle and a text box that says 'Click on the arrow to display the dropdown list'. The 'Min year' is set to '2016' and the 'Max year' is set to '2020'. Below these, there are buttons for 'FILTER', 'Load', and 'Save'. A note states: 'No filters defined'. Below this, a message says: 'All extractions will be performed only on EUROCAT cases that are not spontaneous abortions (< 20 weeks of GA)'. There are four buttons: 'Generate web data', 'Prenatal detection rates', 'Perinatal mortality' (highlighted with a green box), 'Ignored cases', and 'Manage centres'. Below the buttons, there are three tables: 'Perinatal mortality by anomaly group', 'Perinatal mortality by registry', and 'Rates of TOPFA and perinatal mortality by registry'.

Anomaly	Fetal Deaths Percentage	Early Neonatal Percentage	Fetal Deaths Prev
All anomalies	100	100	2.44
All anomalies excluding genetic conditions	78.38	78.38	1.91
Nervous system anomalies	8.11	10.81	0.2
Neural Tube Defects	2.7	2.7	0.07
Anencephaly and similar	2.7	2.7	0.07

Registry	Fetal Deaths Prevalence	Early Neonatal Prevalence	Perinatal Mortality Prevalence
Training	2.44	2.44	4.88

Registry	TOPFA Prevalence < 20 weeks	TOPFA Prevalence >= 20 weeks	TOPFA Prevalence total	Perinatal Mortality Prevalence	Perinatal Mortality
Training	12.79	11.47	24.26	4.88	29.14

Anomaly	Fetal Deaths	First Week Deaths
All anomalies	37	37
All anomalies excluding chromosomal	0	0
Neural tube anomalies	0	0

Perinatal mortality rates are calculated for periods of 5 years, on EUROCAT cases that are not spontaneous abortions (or unknown type of birth)

Perinatal mortality indicators

Export to Excel

The screenshot shows the 'Web analysis' interface with the 'Excel' button circled in red. Below the filters, there are buttons for 'Generate web data', 'Prenatal detection rates', 'Perinatal mortality', 'Ignored cases', and 'Manage centres'. The 'Perinatal mortality by anomaly group' table is visible, showing data for various anomalies and their associated fetal deaths and percentages.

Anomaly	Fetal Deaths	Percentage	Early Neonatal Percentage	Fetal Deaths Prev
All anomalies	100	100	2.44	2.44
All anomalies excluding genetic conditions	78.38	78.38	1.91	1.91
Nervous system anomalies	8.11	10.81	0.2	0.26
Neural Tube Defects	2.7	2.7	0.07	0.13
Anencephaly and similar	2.7	2.7	0.07	0.13

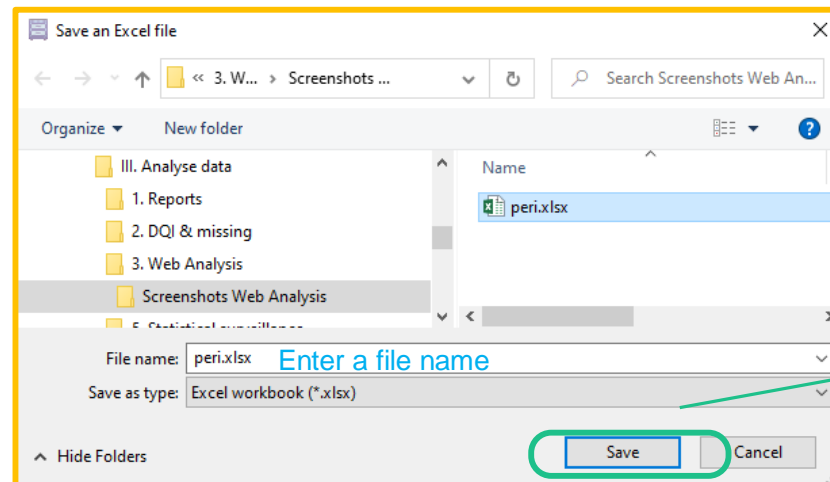
Once generated, the report can be exported to Excel.

The screenshot shows an Excel spreadsheet titled 'peri.xlsx' with the following data:

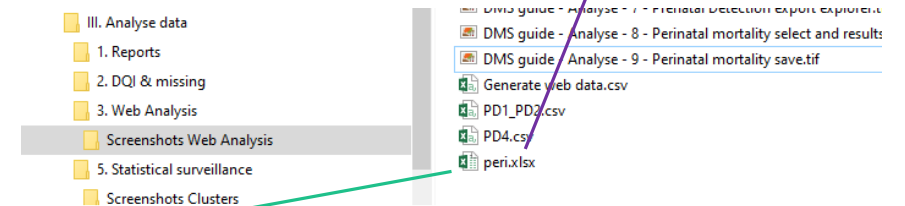
	A	B	C	D	E	F	G	H
1	Perinatal	Mortality Associated with Congenital Anomalies in EUROCAT, 2016-2						
2								
3	Descriptive Breakdown	Breakdown	Prevalence	Prevalence	*Perinatal Mortality per 1,			
4	All anomalies	100	100	2.44	2.44	4.88		
5								
6	All anomalies	78.38	78.38	1.91	1.91	3.82		
7	Nervous system	8.11	10.81	0.2	0.26	0.46		
8	Neural Tube Defects	2.7	2.7	0.07	0.07	0.13		
9	Anencephaly and similar	2.7	2.7	0.07	0.07	0.13		
10	Encephalocele	0	0	0	0	0		
11	Spina Bifida	0	0	0	0	0		
12	Hydrocephalus	2.7	0	0.07	0	0.07		
13	Severe microcephaly	0	0	0	0	0		
14	Arhinencephaly	0	0	0	0	0		
15	Aglossia	2.7	0	0.07	0	0.07		
16	Eye anomalies	0	0	0	0	0		

Export to Excel:

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



One spreadsheet per indicator



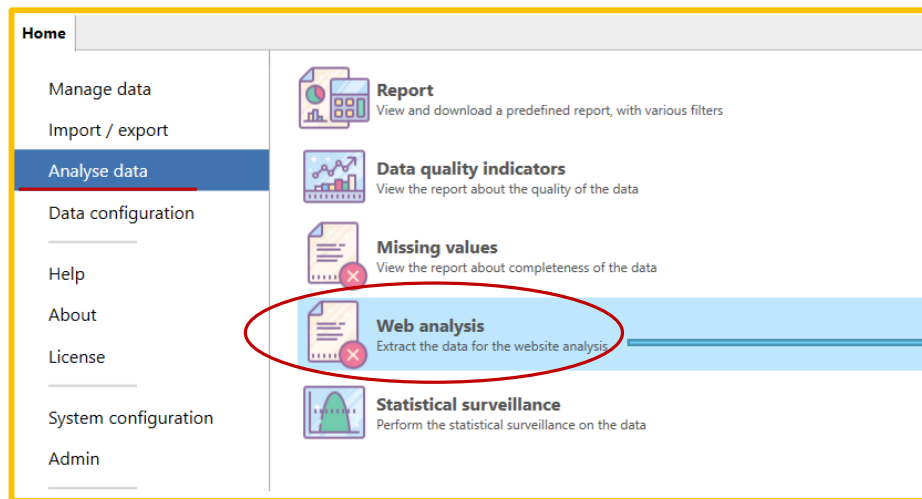
Press **SAVE**.

One unique excel is generated with one spreadsheet for each of the indicators

4. Ignored cases

Ignored cases

Selection criteria and generation



Select the centre(s) and years on which to calculate the number of cases and prevalence by anomaly subgroups

Press **Ignored cases**, once all selection criteria are chosen

The screenshot shows the 'Web analysis' interface. At the top, there are tabs for 'Home' and 'Web analysis'. Below the tabs, there are icons for 'CSV' and 'Excel'. The main section contains a 'Centre' dropdown menu with 'Training' selected, a 'Min year' dropdown menu with '2015' selected, and a 'Max year' dropdown menu with '2020' selected. A blue arrow points to the dropdown arrow icon with the text 'Click on the arrow to display the dropdown list'. Below the dropdowns, there are 'FILTER', 'Load', and 'Save' buttons. A note states: 'All extractions will be performed only on EUROCAT cases that are not spontaneous abortions (<20 weeks of GA)'. At the bottom, there are five buttons: 'Generate web data', 'Prenatal detection rates', 'Perinatal mortality', 'Ignored cases' (highlighted with a green box), and 'Manage'. Below the buttons is a table with 15 columns: 'centre', 'numloc', 'byear', 'type', 'gestlength', 'syndrome', 'malfo1', 'malfo2', 'malfo3', 'malfo4', 'malfo5', 'malfo6', 'malfo7', 'malfo8', 'omim', and 'casestatus'. The table contains 12 rows of data.

centre	numloc	byear	type	gestlength	syndrome	malfo1	malfo2	malfo3	malfo4	malfo5	malfo6	malfo7	malfo8	omim	casestatus
99	2016C00024	2016	1	40		Q430									0
99	2015B00071	2015	1	33		Q444									0
99	2016B00098	2016	1	39		Q532									0
99	2015C00204	2015	1	39		Q5320									0
99	2016C00408	2016	1	38		Q501									0
99	2016C00447	2016	1	39		Q532									0
99	2016A00490	2016	1	35		Q103									0
99	2016A00577	2016	1	40		Q2541									0
99	2016C00585	2016	1	40		Q7660									0
99	2016A00721	2016	1	38		Q0461									0
99	2017B00824	2017	1	41		Q532									0

Eurocat results are calculated on EUROCAT cases that are not spontaneous abortions (or unknown type of birth).

The button Ignored cases gives the list of cases that have been excluded (no major malformation and/or spontaneous abortions or unknown type of birth).

The list of minor malformations is given in [Guide 1.5 chapter 3.2](#).

Ignored cases

Export in csv

The delimiter can be modified to match the default delimiter in your local MS Excel

You can choose to export the columns names (e.g. byear) or the columns descriptions (e.g. year of birth)

Results can be exported in a .csv file.

Home Web analysis x

CSV

Centre: Training Min year: 2015 Max year: 2020

FILTER Load Save

No filters defined

All extractions will be performed only on EUROCAT cases that are not spontaneous abortions (<20 weeks of GA)

Generate web data Prenatal detection rates Perinatal mortality Ignored cases Manage

centre	numloc	byear	type	gestlength	syndrome	malfo1	malfo2	malfo3	malfo4	malfo5	malfo6	malfo7	malfo8	omim	casestatus
99	2016C00024	2016	1	40		Q430									0
99	2015B00071	2015	1	33		Q444									0
99	2016B00098	2016	1	39		Q532									0
99	2015C00204	2015	1	39		Q5320									0
99	2016C00408	2016	1	38		Q501									0
99	2016C00447	2016	1	39		Q532									0
99	2016A00490	2016	1	35		Q103									0
99	2016A00577	2016	1	40		Q2541									0
99	2016C00585	2016	1	40		Q7660									0
99	2016A00721	2016	1	38		Q0461									0
99	2017B00824	2017	1	41		Q532									0

Export report result

Delimiter: , Headers: Column names

The following columns will be exported:

- centre
- numloc
- byear
- type
- gestlength
- syndrome
- malfo1
- malfo2
- malfo3
- malfo4
- malfo5
- malfo6
- malfo7
- malfo8
- omim
- casestatus
- birth_type

Select all Unselect all Close Export

You can choose which columns to export. By default, all columns are exported. Click on the column names to unselect a column.

Press **Export** and browse the folder where you'd like to save the file.

Save As

Organize New folder

File name: Ignored cases

Save as type: Comma separated file (.csv) (*.csv)

Save Cancel

Modify file name at your convenience

Press **save** to finalise the export

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