EUROCAT Data Management Software
Analyse data
Web analysis

Extract the data for the website analysis

European Commission

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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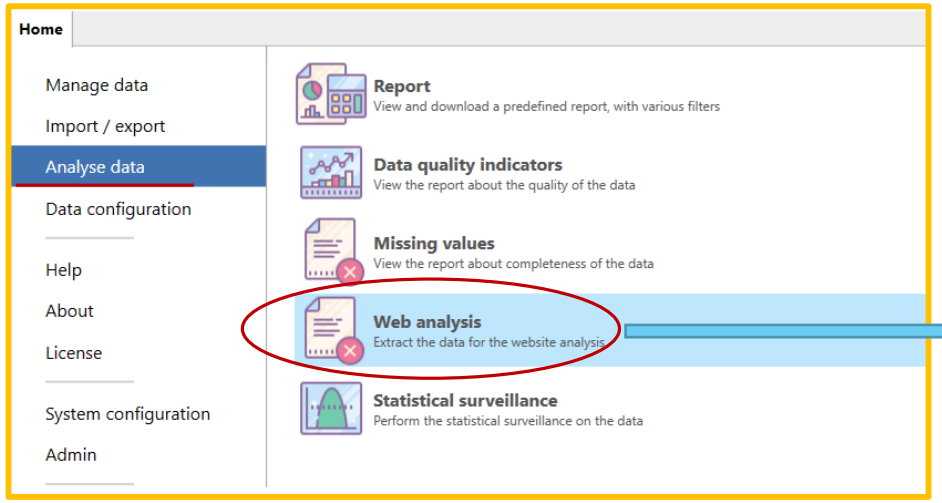
1. Generate web data

European Commission

Generate web data

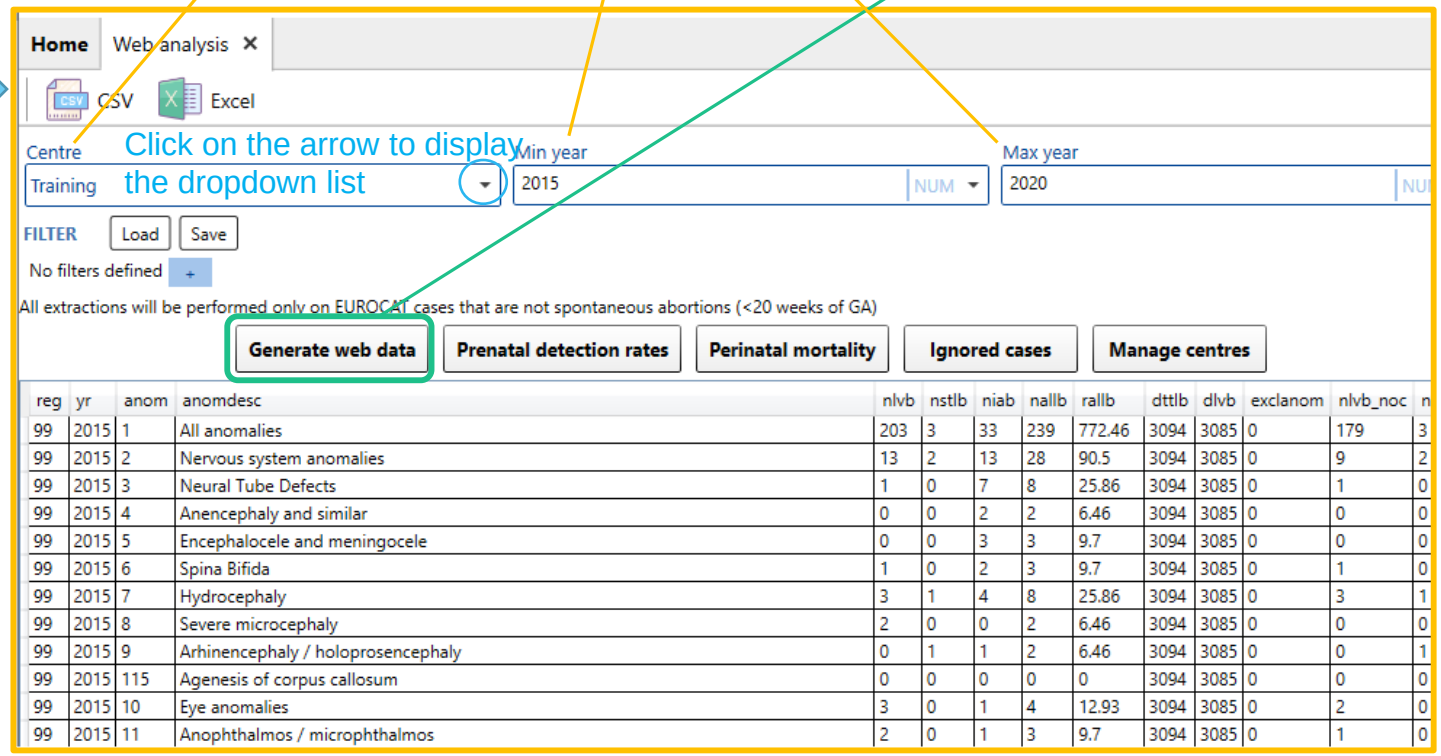
Selection criteria and generation



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

Click on the arrow to display the dropdown list



reg	yr	anom	anomdesc	nlvb	nstlb	niab	nallb	rallb	dttlb	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	Agenesis 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

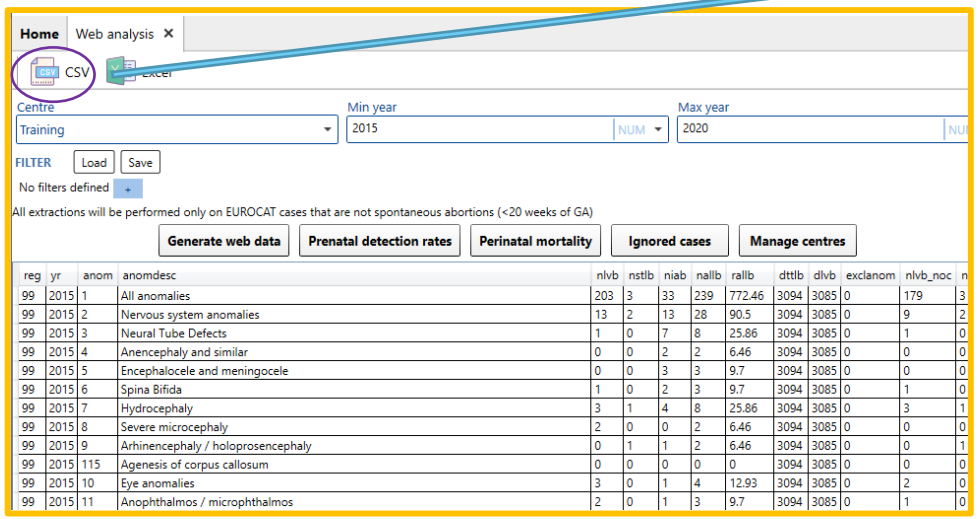
Prevalence table are calculated on EUROCAT cases that are not spontaneous abortions, for each of the selected centres and individual years.

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

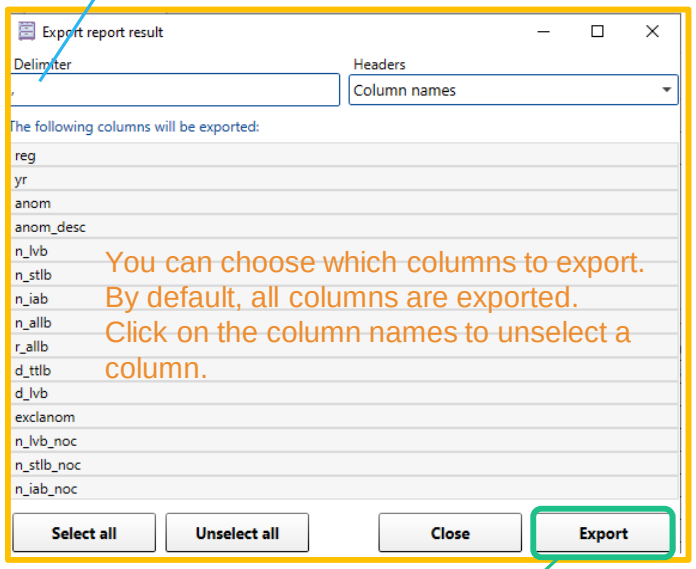
Export in csv

Results can be exported in a *.csv* file.



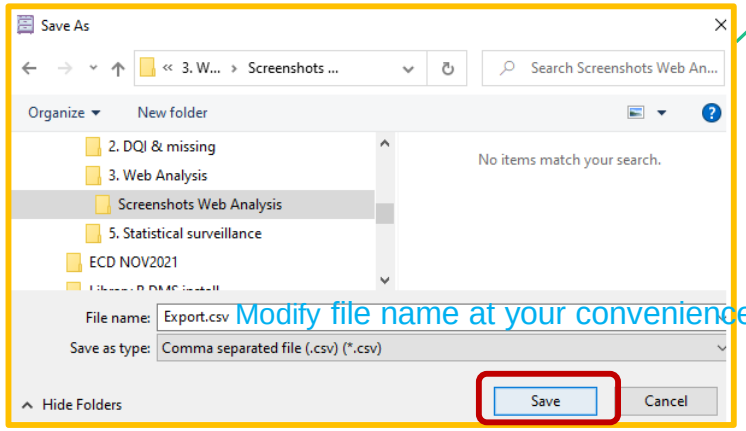
reg	yr	anom	anomdesc	nlvb	nstlb	niab	nallb	rallb	dttlb	dlvb	exclanom	nlvb_noc	n
99	2015	1	All anomalies	203	3	33	239	772.46	3094	3085	0	179	3
99	2015	2	Nervous system anomalies	13	2	13	28	90.5	3094	3085	0	9	2
99	2015	3	Neural Tube Defects	1	0	7	8	25.86	3094	3085	0	1	0
99	2015	4	Anencephaly and similar	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	Agenesis 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

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



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.



Modify file name at your convenience

Press **save** to finalise the 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

2. Prenatal detection rates

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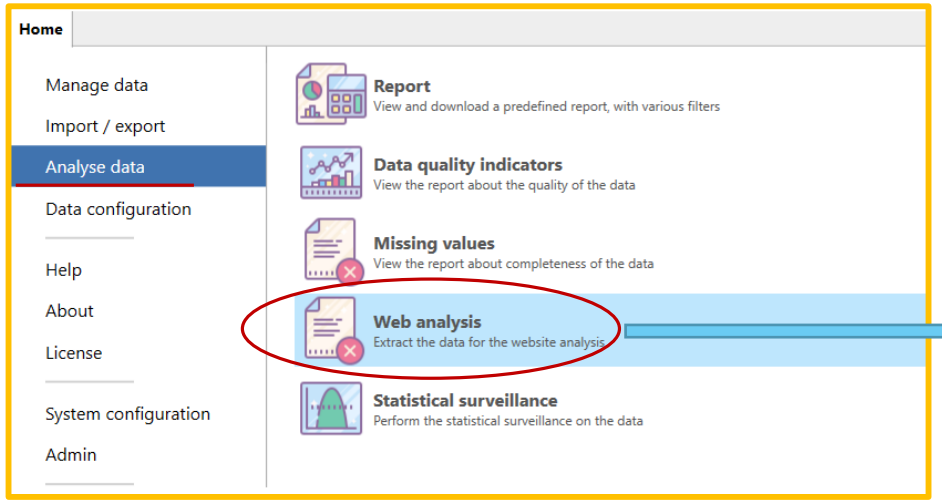
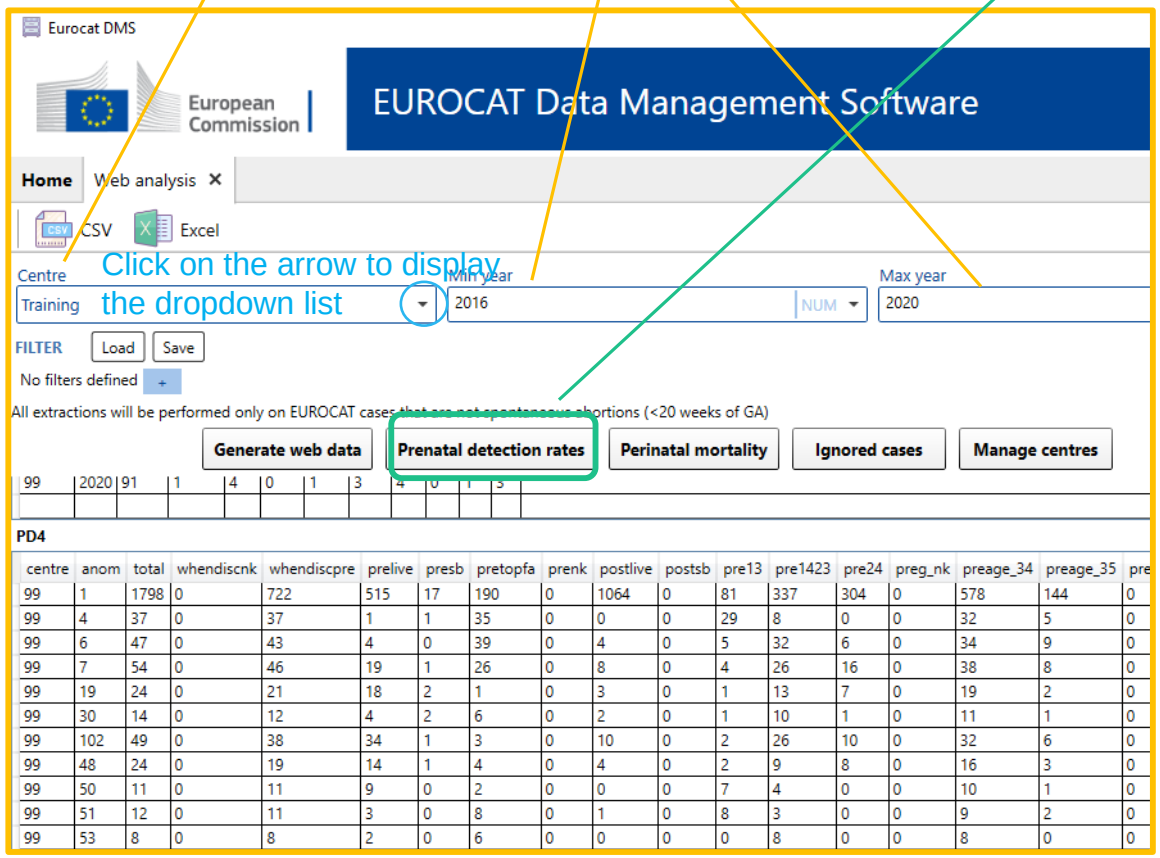
Prenatal detection rates

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



centre	anom	total	whendiscnk	whendiscpre	prelive	presb	pretopfa	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:

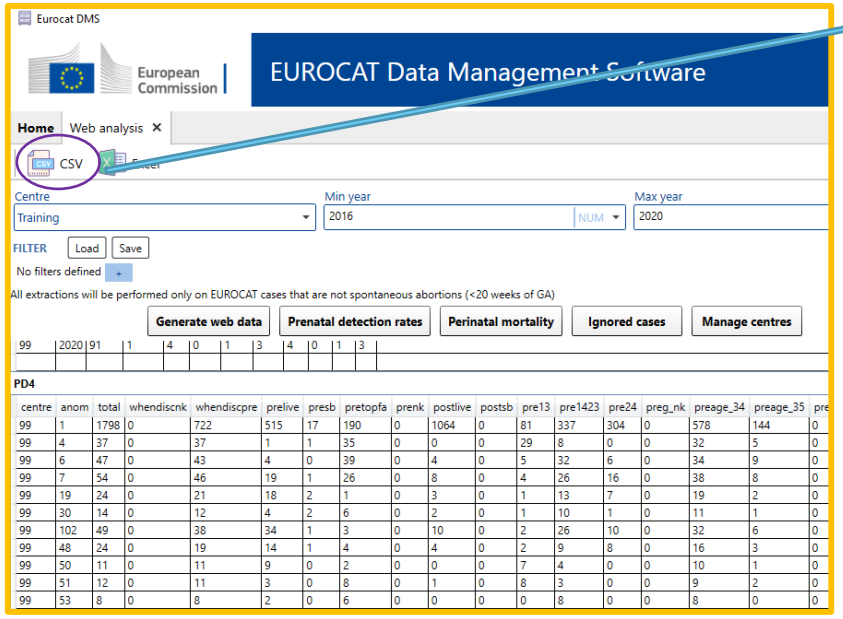
- if they have at least 4 out of the 5 years of analysis
- If they have less than 20% missing on the variable WHENDISC

Prenatal detection rates

Export in csv

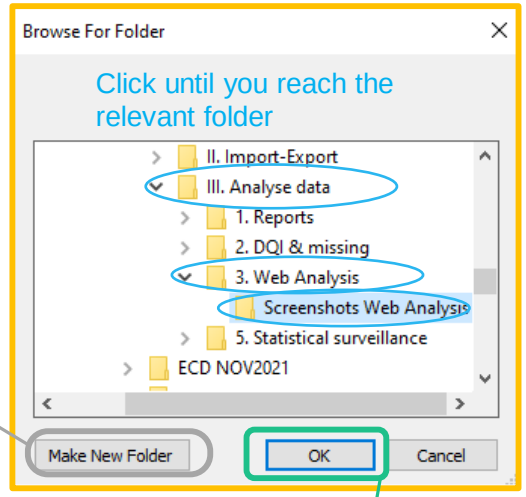
The output consists of 2 tables:
- PD1-PD2: used to check if there are at least 4 years of data
- PD4: results to be compared with the website.

Results can be exported in *.csv* files.



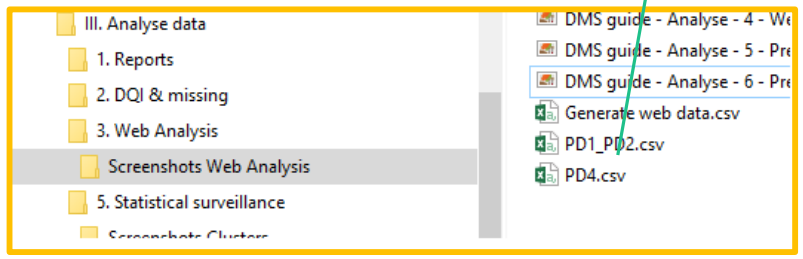
centre	anom	total	whendiscnk	whendiscpre	prelive	presb	pretopfa	prenk	postlive	postsb	pre13	pre1423	pre24	preg_nk	preage_34	preage_35	pre
99	1	1798	0	722	515	17	190	0	1064	0	81	337	304	0	578	144	0
99	4	37	0	37	1	1	35	0	0	0	29	8	0	0	32	5	0
99	6	47	0	43	4	0	39	0	4	0	5	32	6	0	34	9	0
99	7	54	0	46	19	1	26	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

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:

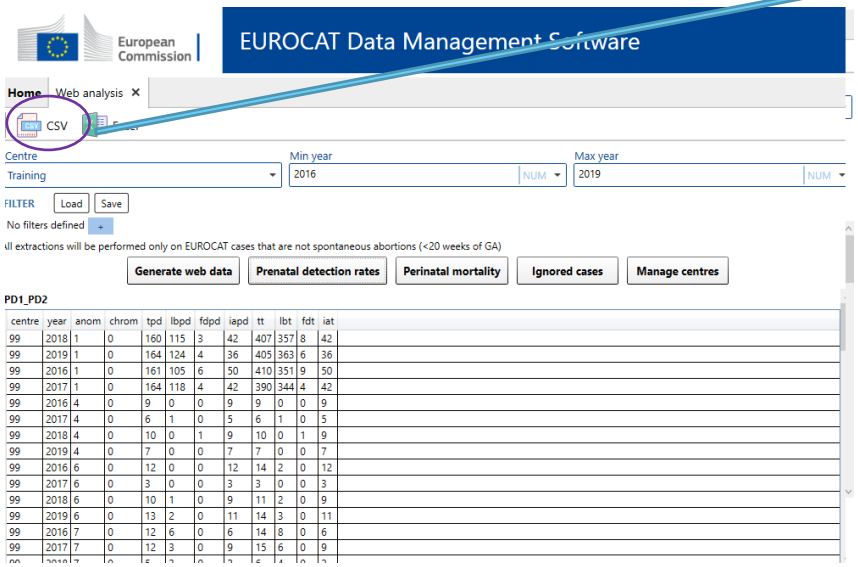
centre	ID code of the Registry
anom	ID code of the anomaly subgroup (ref. EUROCAT Guide 1.5 Section 3.3)
total	total number of cases
whendisc_nk	number of cases with when discovered not known
whendisc_pre	number of cases with when discovered = prenatally
pre_live	number of cases livebirth prenatally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

Prenatal detection rates

Export in csv

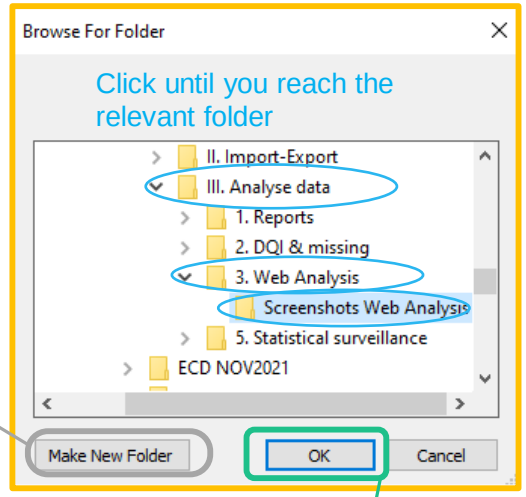
The output consists of 2 tables:
- PD1-PD2: used to check if there are at least 4 years of data
- PD4: results to be compared with the website.

Results can be exported in *.csv* files.



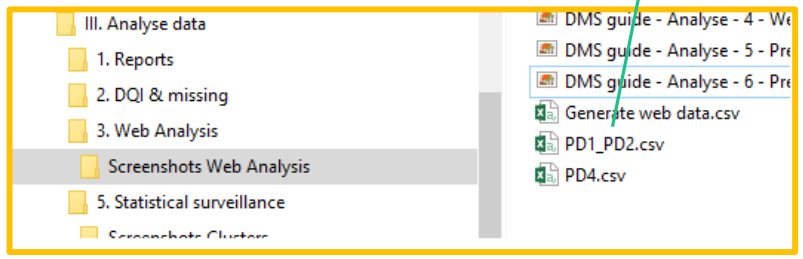
centre	year	anom	chrom	tpd	lbpd	fdpd	iapd	tt	lbt	fdt	iat
99	2018	1	0	160	115	3	42	407	357	8	42
99	2019	1	0	164	124	4	36	405	363	6	36
99	2016	1	0	161	105	6	50	410	351	9	50
99	2017	1	0	164	118	4	42	390	344	4	42
99	2016	4	0	9	0	0	9	9	0	0	9
99	2017	4	0	6	1	0	5	6	1	0	5
99	2018	4	0	10	0	1	9	10	0	1	9
99	2019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

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 PD1-PD2:

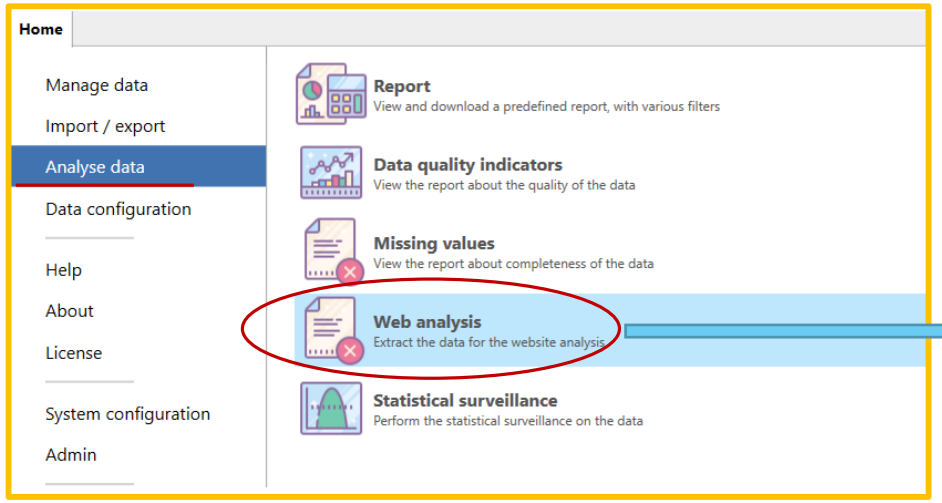
centre	ID code of the Registry
year	year of birth
anom	ID code of the anomaly subgroup (ref. EUROCAT Guide 1.5 Section 3.3)
chrom	is 1 for genetic subgroups
tpd	number of total cases prenatally detected
lbpd	number of live births cases prenatally detected
fdpd	number of fetal deaths cases prenatally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

European Commission

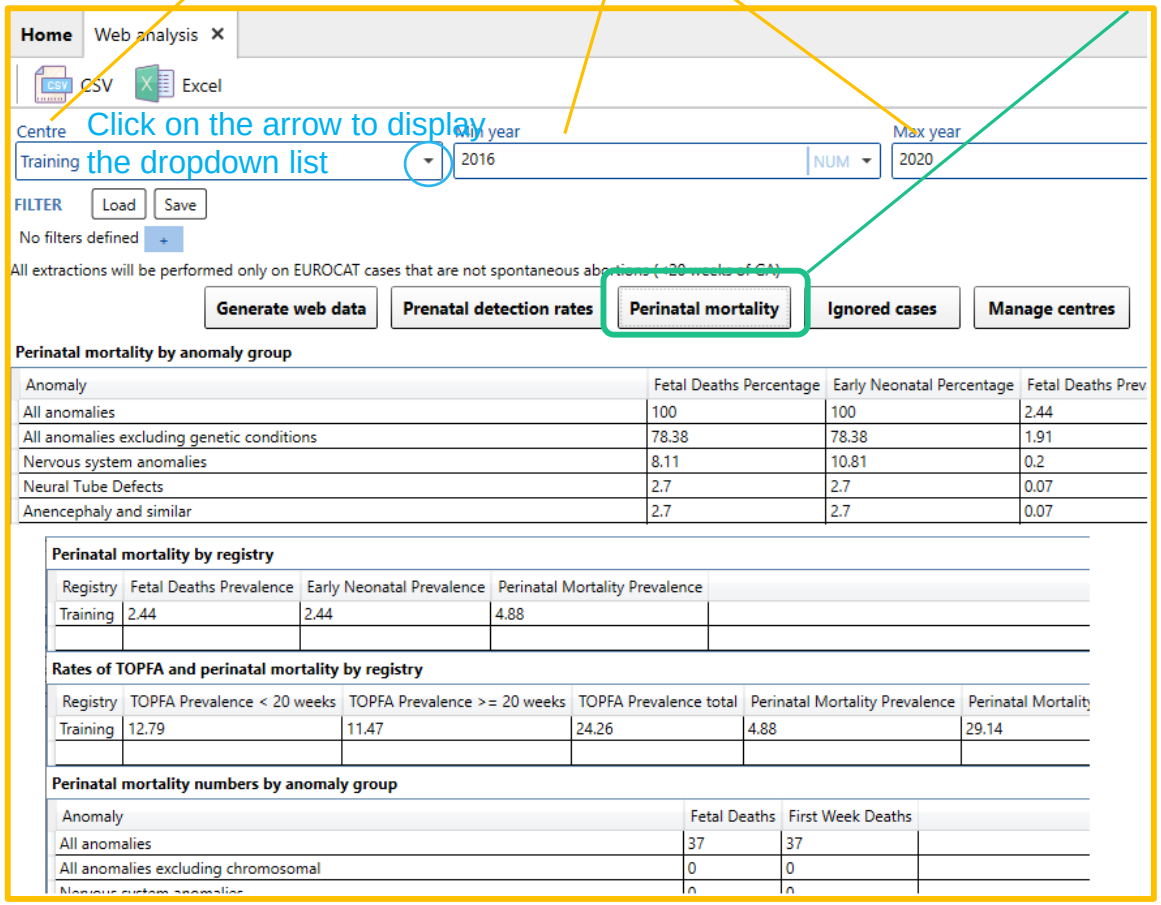
Perinatal mortality indicators

Selection criteria and generation



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

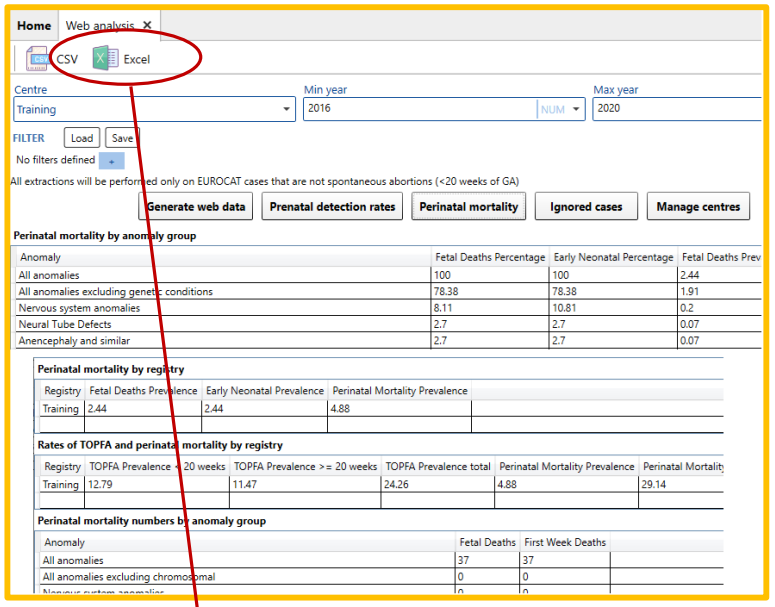
Press **Perinatal mortality,** once all selection criteria are chosen



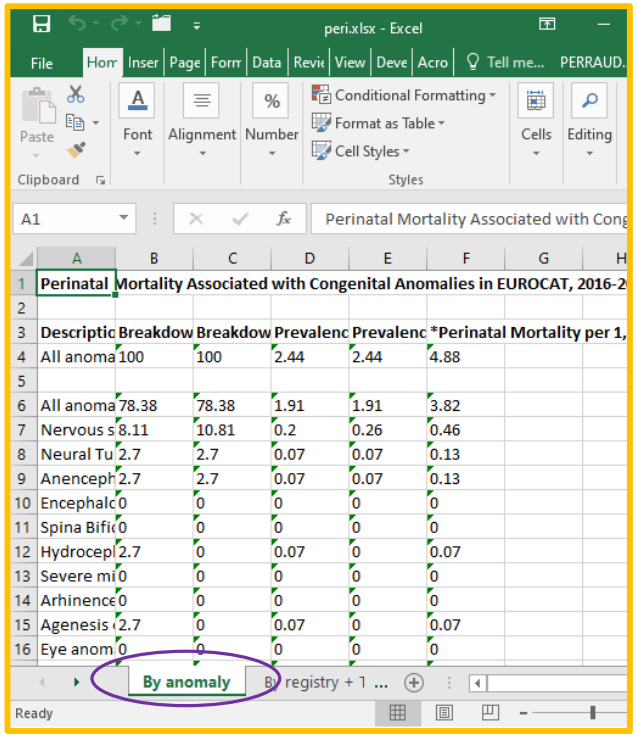
Perinatal mortality rates are calculated for periods of 5 years, on EUROCAT cases that are not spontaneous abortions (or unknown type of birth)

Perinatal mortality indicators

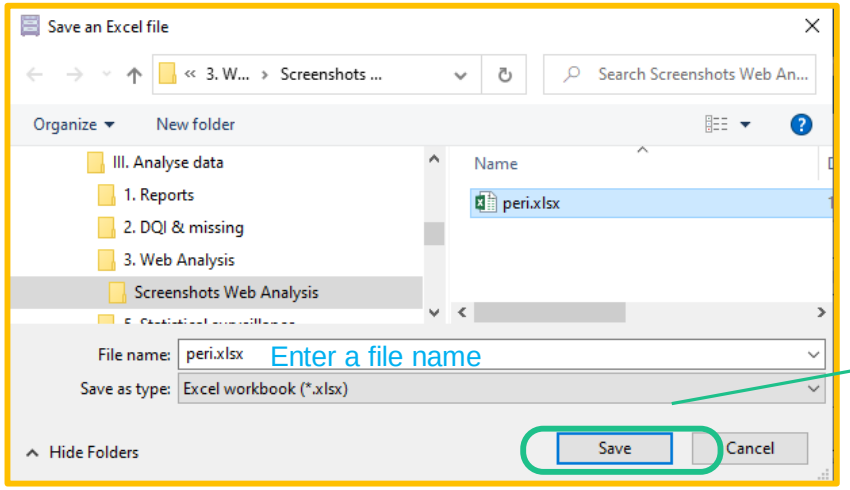
Export to Excel

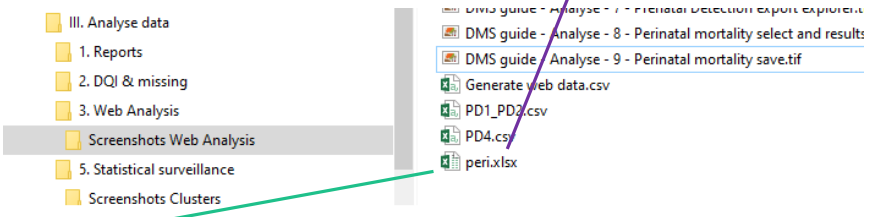


Once generated, the report can be exported to Excel.



One spreadsheet per indicator





Export to Excel:

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

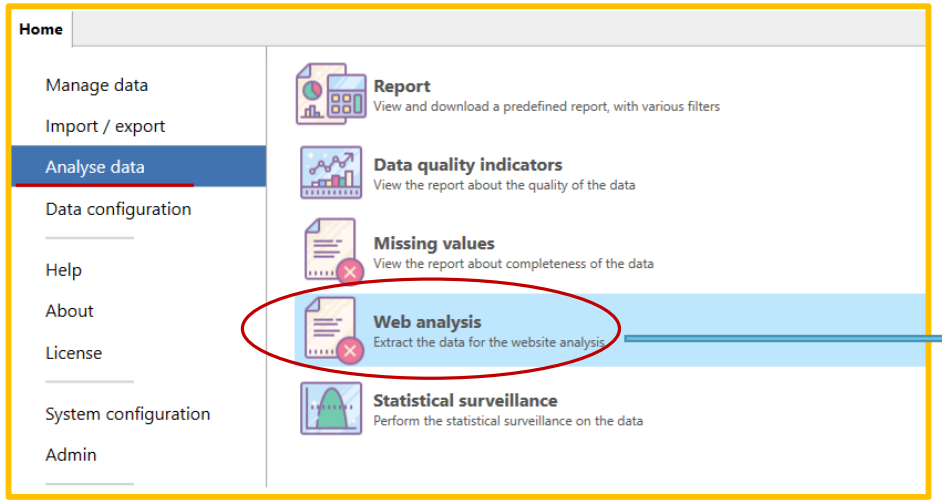
Press **SAVE**.

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

4. Ignored cases

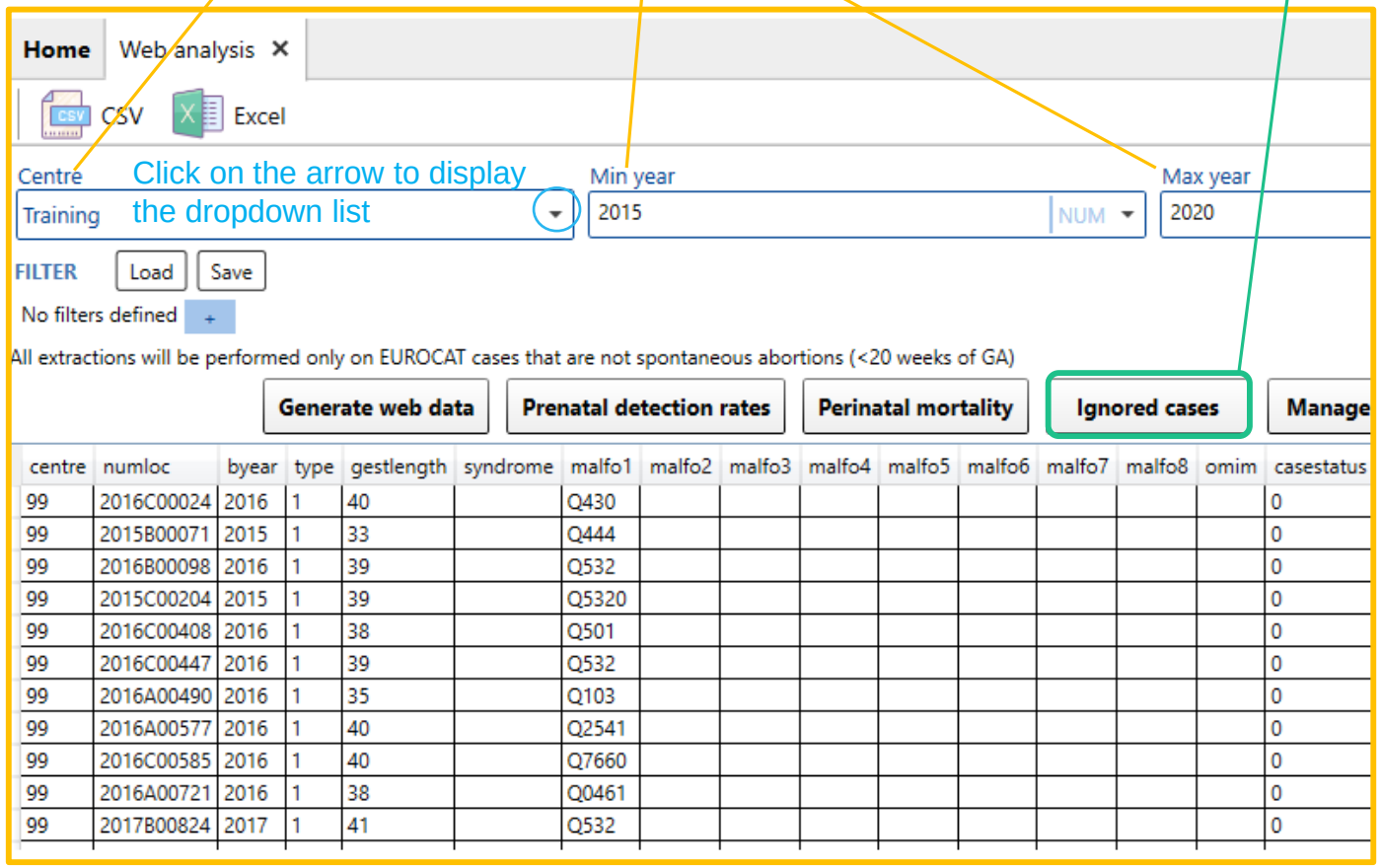
Ignored cases

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



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).

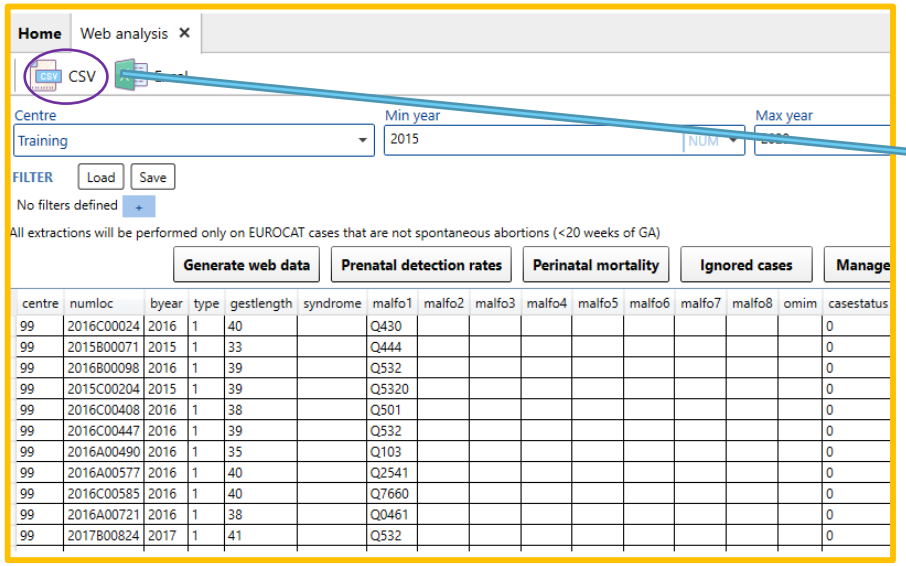
The button Ignored cases gives the list of cases that have been excluded (no major malformation and/or spontaneous abortions or unknown type of birth).

The list of minor malformations is given in Guide 1.5 chapter 3.2.

Ignored cases

Export in csv

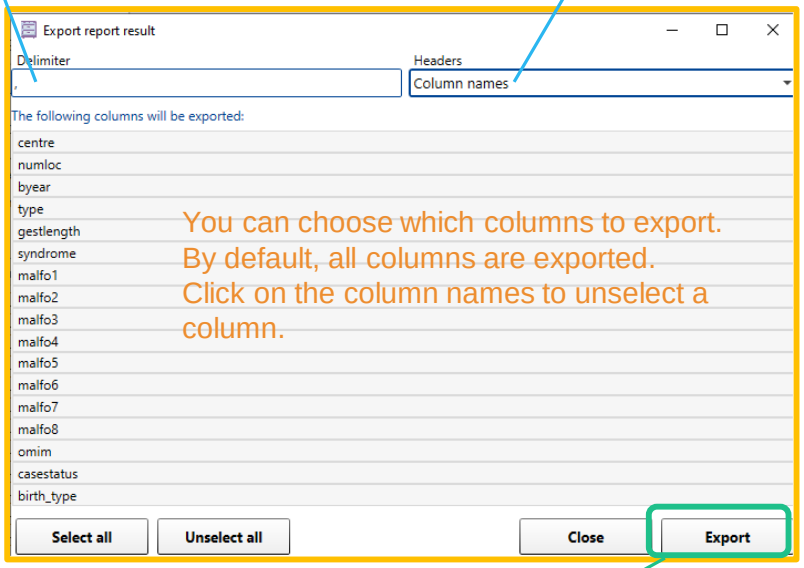
Results can be exported in a *.csv* file.



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

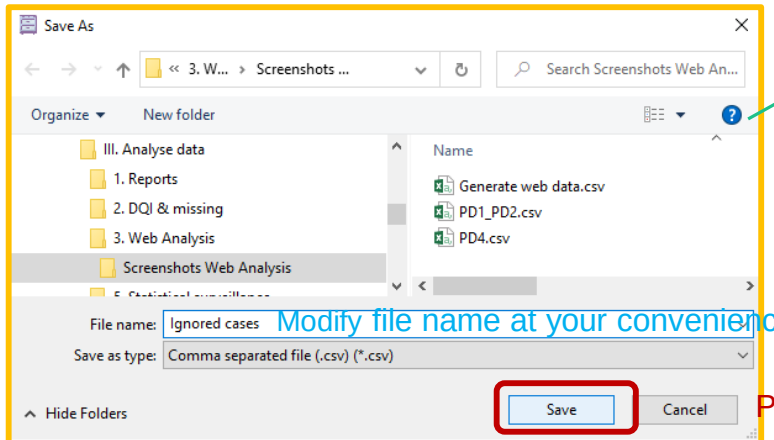
The delimiter can be modified to match the default delimiter in your local MS Excel

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



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.



Modify file name at your convenience

Press **save** to finalise the export

European Commission