

EUROCAT Data Management Software

Import/Export

Import

Introduction

- DMS allows to **import data in bulk** (alternatively to manual entry), either **individual cases** ([section 1](#)) or **denominators** ([section 2](#)). The import file should preferably be a .csv file (see [page 6](#)).
- It is also possible to import **aggregated data** (i.e. number of cases by pregnancy outcome for each anomaly subgroups) ([section 3](#)). But there is no added value to use this at local level (results in output will just be exactly the same as the input data). This **functionality is rather for the Central Registry** that receives aggregated data from associate registries. It is however presented in section 3, in case associate registries want to check that the file prepared for data submission to the Central Registry is correct.
- The import of **Multiple malformation results** is also **for the Central Registry** (import of the final MCA verdict once the potential multiples have been reviewed). It is not presented in this document.

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1. Import individual cases

Import individual cases

Prepare the .csv file

- The import file should contain the **variables described in [chapter 2.2.2](#)** of the **EUROCAT Guide 1.5**.
- As a **minimum** to allow the import and the output of meaningful indicators, the file should contain the **following columns**:

CENTRE, NUMLOC, BIRTH_DATE, SEX, TYPE, NBRBABY, SURVIVAL, GESTLENGTH, WHENDISC, SYNDROME, MALFO1, MALFO2, MALFO3, MALFO4, MALFO5, MALFO6, MALFO7, MALFO8

It is however highly recommended to include additional variables listed in chapter 2.2.2, especially **core variables and text descriptions**.

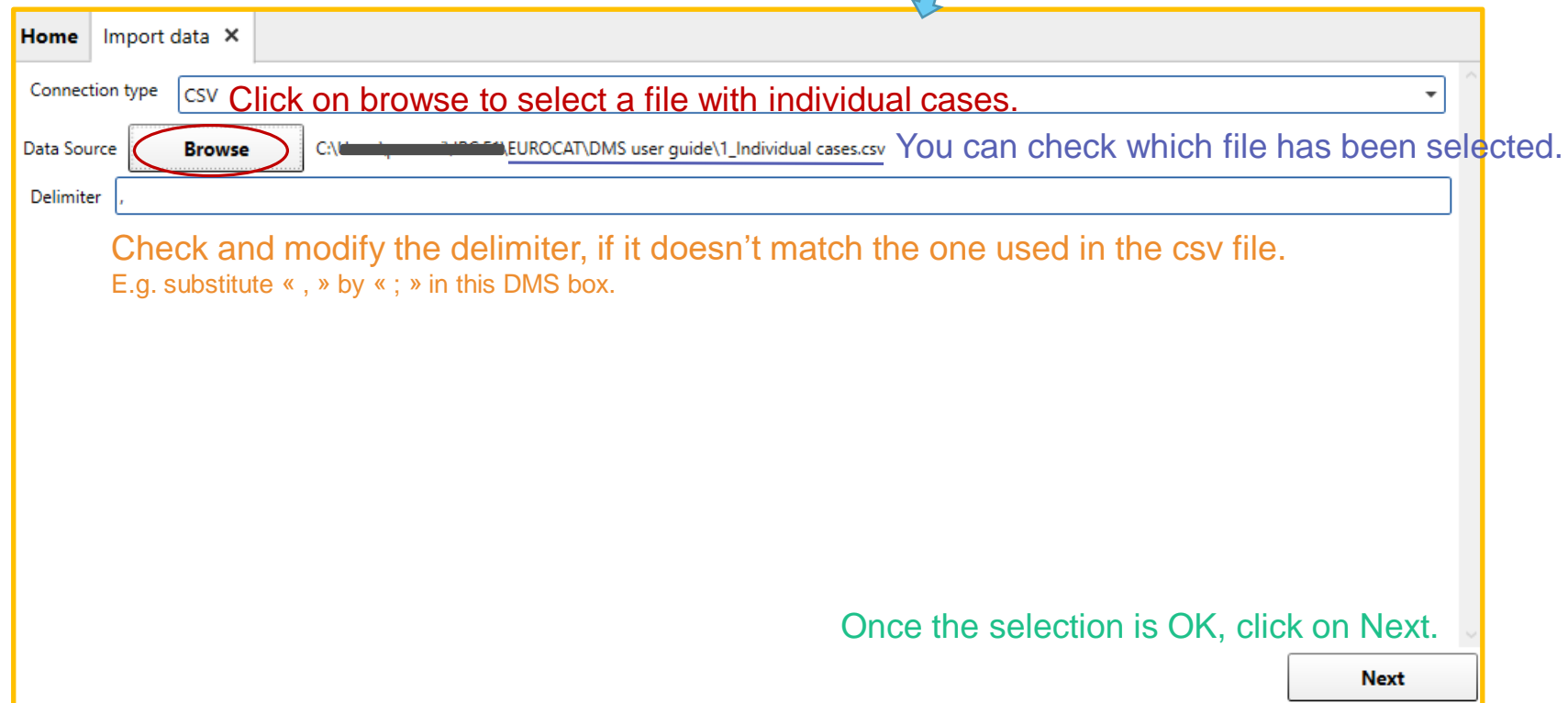
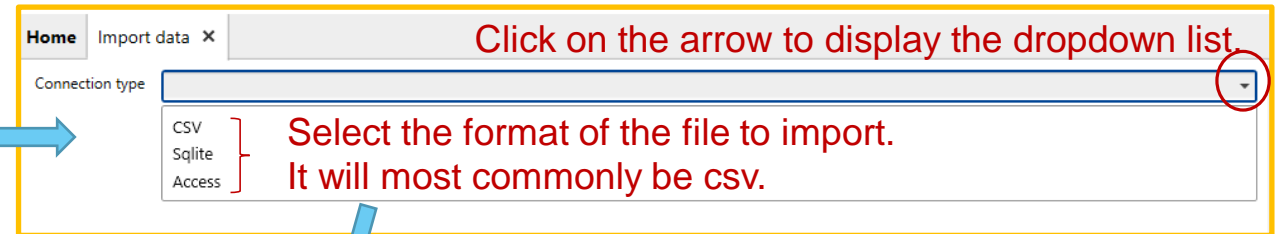
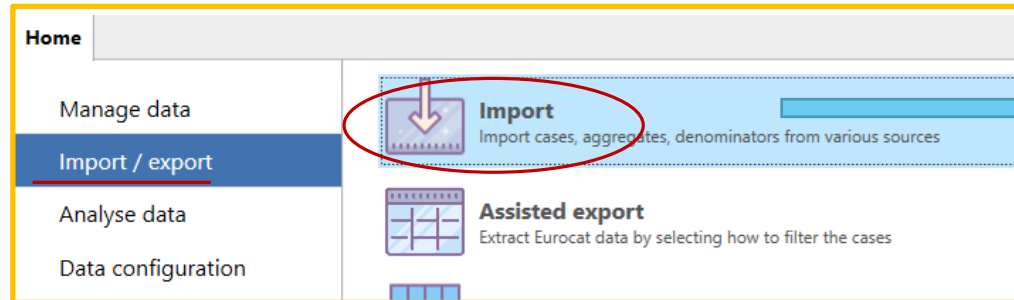
- The **coding and format** of the variables are described in [chapter 2.2.2](#) of the **EUROCAT Guide 1.5**.

For **dates**, DMS accepts the following formats: DD/MM/YYYY, YYYY/MM/DD, 2020/10/xx, 2010/xx/xx. It also accepts old EDMP formats: DDMMYY, 99MMYY, 9999YY, 999944, but it is better not to mix the formats.

If you need **more details**, please contact the [Central Registry](#).

Import individual cases

Select the file to import



Import individual cases

Specify the type of data to import

The screenshot shows a software window titled 'Import data' with a 'Home' tab. It displays a connection to a CSV file. A dropdown menu is open for 'Select import', showing four options: 'Individual cases' (highlighted), 'Aggregated cases', 'Denominators', and 'Multiple malformation results'. A red box highlights the 'Individual cases' option. A red arrow points to the dropdown arrow, with a red circle around it. A red text box says 'Specify the type of data you want to import.' Below the dropdown, there is an 'Optional filters' section with a dropdown arrow. At the bottom, there are 'Previous' and 'Next' buttons. A purple text box says 'Go back to the previous step.' and a green text box says 'Once the selection is OK, click on Next.'

Home Import data ×

Connected to CSV file - C:\Users\user\Documents\EUROCAT\DMS user guide\1_Individual cases.csv

Select import

Click on the arrow to display the dropdown list.

Optional filters

Individual cases

Aggregated cases

Denominators

Multiple malformation results

Specify the type of data you want to import.

Go back to the previous step.

Previous

Next

Once the selection is OK, click on Next.

Import individual cases

Matching columns

The next screen allows to check how DMS recognises the columns in the csv file and matches them with the columns it has in memory (table *cases* and *casesLocal*, see chapter [Export – Preliminary notions](#) for further detail). The association is based on the **name** of the columns.

The screenshot shows the 'Import data' window in DMS. At the top, it says 'Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\1_Individual cases.csv' and 'Individual cases import selected'. Below this is a dropdown menu set to 'Custom'. The main area is divided into two columns by a large blue double-headed arrow. The left column, titled 'Columns in the csv file, as detected by DMS.', lists columns from the CSV file: CSV.centre, CSV.numloc, CSV.birth_date, CSV.sex, CSV.nbrbaby, CSV.sp_twin, CSV.nbrmalf, CSV.type, CSV.civreg, CSV.weight, and CSV.gestlength. The right column, titled 'Columns in memory in DMS.', lists corresponding variables in DMS tables: cases.centre, cases.numloc, cases.birth_date, cases.sex, cases.nbrbaby, cases.sp_twin, cases.nbrmalf, cases.type, cases.civreg, cases.weight, and cases.gestlength. Each variable is marked as 'COMPULSORY' and has an 'Edit' button next to it. Text annotations explain that the table *cases* contains the variables listed in chapter 2.2.2 of Guide 1.5, and the table *casesLocal* (at the bottom of the list) contains the variables listed in chapter 2.2.4 of Guide 1.5. A red circle highlights the bottom of the list with the instruction 'Scroll down to check the bottom of the list'. At the bottom are 'Previous' and 'Next' buttons.

Home Import data x

Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\1_Individual cases.csv

Individual cases import selected

Custom

Columns in the csv file, as detected by DMS.

Columns in memory in DMS.

The table *cases* contains the variables listed in [chapter 2.2.2 of Guide 1.5](#).

The table *casesLocal* (see bottom of the list) contains the variables listed in [chapter 2.2.4 of Guide 1.5](#).

DMS matches the columns based on their name.

Scroll down to check the bottom of the list.

Previous Next

Import individual cases

Matching columns - modify

In case DMS does not recognise a column in the csv file, it is indicated as a dropdown list.

The dropdown lists indicate that DMS doesn't find, in the csv file, a name matching the columns defined in tables *cases* and *casesLocal*.

The association can be done manually.
(click on the arrow to display the list of columns available in the csv file)

Click to select.

Or the association can be left empty, if the column is not available in the csv file.

An existing association can be edited, if needed.

CSV Column	DMS Column	Action
CSV.datemo	cases.datemo	Edit
CSV.agemo	cases.agemo	Edit
[Empty Dropdown]	cases.bmi	Edit
CSV.residmo	cases.residmo	Edit
CSV.totpreg	cases.totpreg	Edit
CSV.whendisc	cases.whendisc	Edit
CSV.condisc	cases.condisc	Edit
CSV.agedisc	cases.agedisc	Edit
CSV.firstpre	cases.firstpre	Edit
[Empty Dropdown]	cases.sp_firstpre	Edit
CSV.karyo	cases.karyo	Edit
CSV.sp_karyo	cases.sp_karyo	Edit
CSV.gentest	cases.gentest	Edit

Previous

Next

Import individual cases

Matching columns – save association

At the bottom of the columns list (scroll down to get there), you can save the association in order to reuse it for future import. This feature allows you to keep the original column names of your local system (i.e. you do not have to rename all the columns according to the DMS names, but you'll have to do the association manually and save it).

CSV.aetiology ▶ casesLocal.aetiology Edit

CSV.datedisc ▶ casesLocal.datedisc Edit

Save associations

Previous Next

Click to save the customised association.

Once the selection is OK, click on Next.

Store column associations

Name of the associations:

Association Enter a name to store the association.

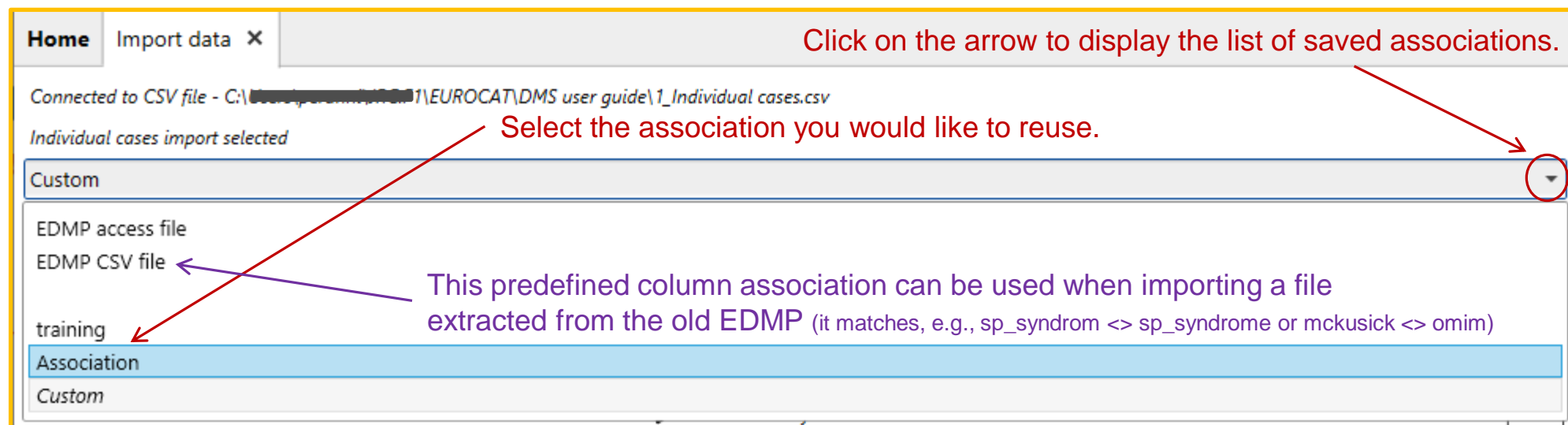
Cancel Ok

Click on OK to save.

Import individual cases

Matching columns – reuse an association

A saved column association can be reused from the step presented [slide 9](#).



If you have exported the csv file from the previous EUROCAT software (EDMP), you can use the predefined association *EDMP CSV file*, which accounts for the different names between EDMP and DMS.

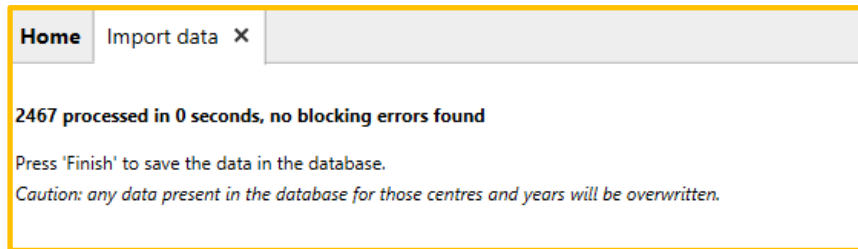
Scroll down to the bottom and click on Next.

Next

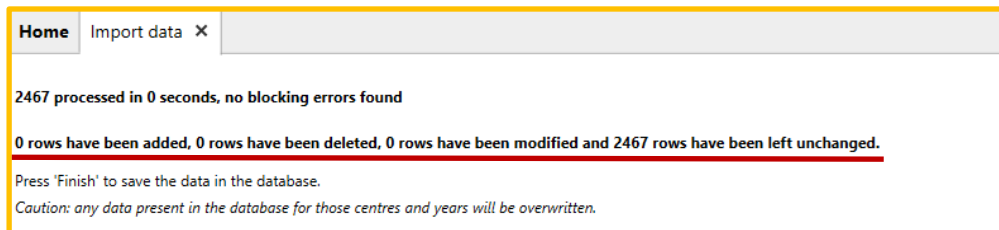
Import individual cases

Finalise the import – preliminary report

After you clicked on Next, DMS analyses the csv file you import and provides a preliminary summary:



If you are **re-importing** birth years already available in the DMS, the display will look like this:



CAUTION !!!!

If you want to modify a birth year already imported in the DMS (i.e. modify, add or delete cases), you need to re-import ALL the cases from that birth year.

Import individual cases

Finalise the import – blocking errors

If your file contains blocking errors, DMS will indicate it at this stage and **discard the rows** with blocking errors. → correct the blocking errors before finishing the import

Home Import data ✕

Fatal errors that prevent row import
At row number 4: Column centre cannot be null
At row number 5: Column centre cannot be null
At row number 6: Column centre cannot be null
At row number 7: Column centre cannot be null
At row number 8: Column centre cannot be null
At row number 9: Column centre cannot be null
At row number 10: Column centre cannot be null
At row number 11: Column centre cannot be null
At row number 12: Column centre cannot be null

2467 processed in 0 seconds, 9 rows will be discarded since they contain fatal errors

Press 'Finish' to save the data in the database.
Caution: any data present in the database for those centres and years will be overwritten.

Import individual cases

Finalise the import – finish

Home Import data X

2467 processed in 0 seconds, no blocking errors found

Press 'Finish' to save the data in the database.

Caution: any data present in the database for those centres and years will be overwritten.

Once all blocking errors have been corrected and you are satisfied with the preliminary summary displayed, click on finish.

Previous Finish

At this stage of the import, DMS calculates all the derived variables (cf. [chapter 2.2.3](#) of Guide 1.5), including the classification in subgroups and the group of multiple malformation.

It also performs validation routines (cf. [chapter 2.5](#) of Guide 1.5).

Centre 99, numloc 2019B02264: 1 Implausible combination of maternal age and previous pregnancies
Centre 99, numloc 2018B02288: 2 Age entered different to calculated age
Centre 99, numloc 2020B02306: 2 First surgical procedure not entered
Centre 99, numloc 2020A02308: 1 Date of death should be within +/- one week of birth
Centre 99, numloc 2020B02324: 2 First surgical procedure not entered
Centre 99, numloc 2020A02353: 1 Drugs(1) should be blank as not 1st trimester
Centre 99, numloc 2020A02377: 2 First surgical procedure not entered
Centre 99, numloc 2020B02384: 2 Age entered different to calculated age
Centre 99, numloc 2019B02402: 2 Age entered different to calculated age
Centre 99, numloc 2019B02429: 2 First surgical procedure not entered
Centre 99, numloc 2020A02434: 2 Age entered different to calculated age

When the import is finished, DMS displays the list of non-blocking errors and warnings. It can be printed to pdf.

Print the error list to PDF

2. Import denominators

Import denominators

Prepare the .csv file

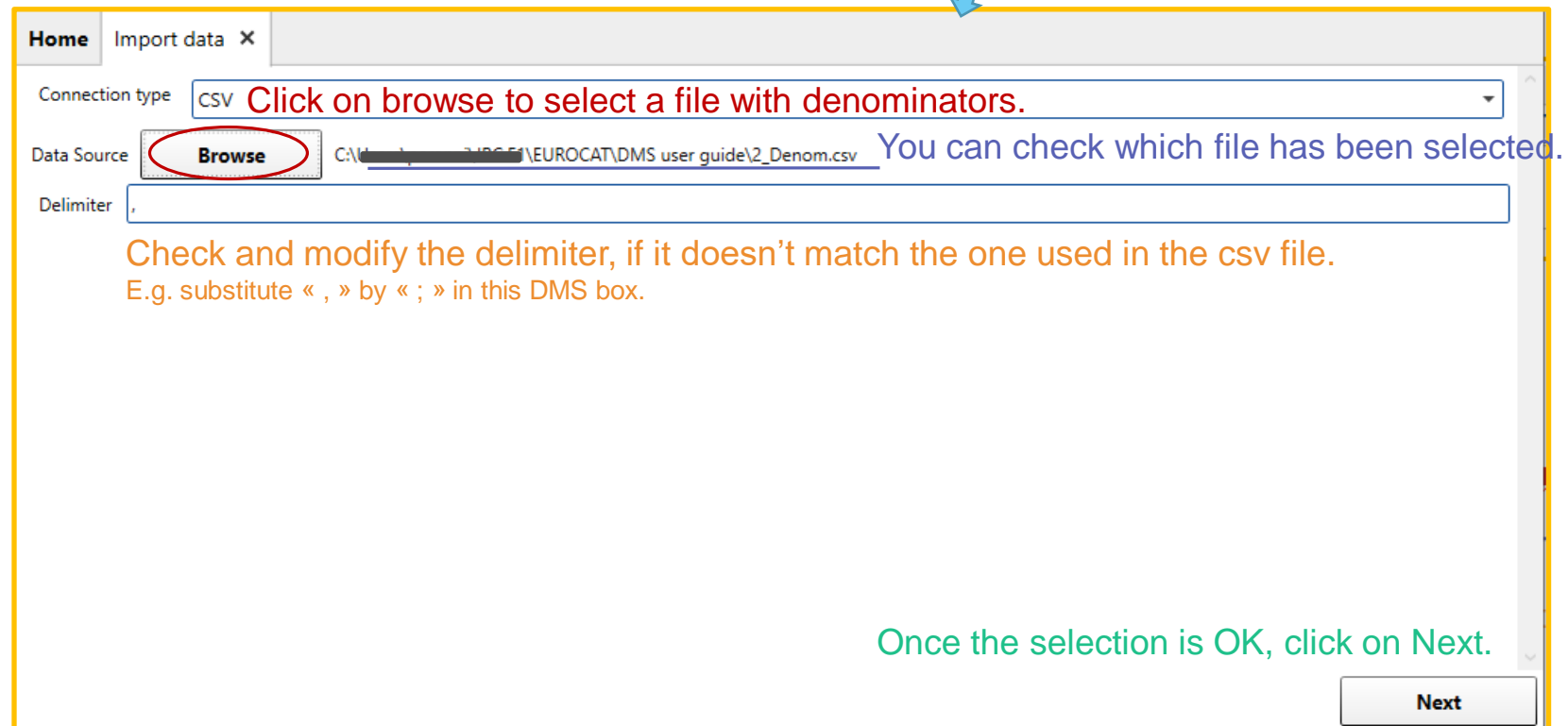
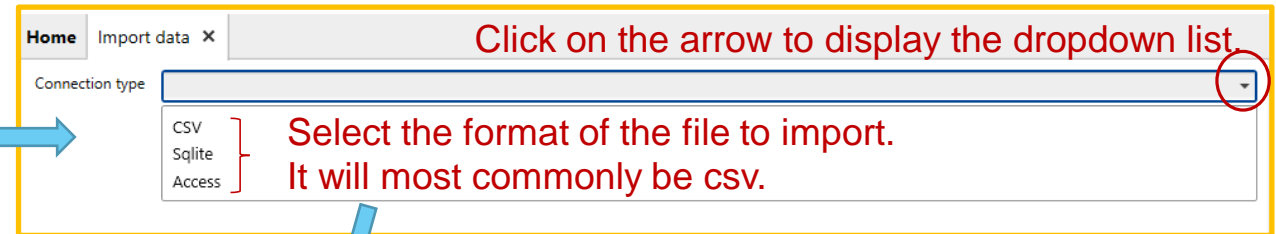
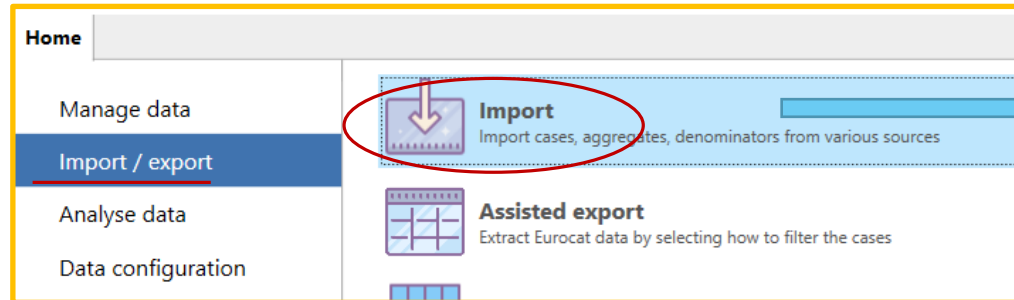
- The import file (.csv file) should contain the variables described in [chapter 2.4](#) of the EUROCAT Guide 1.5.
- As a minimum to allow the import, the file should contain the following columns:

CENTRE, YEAR OF BIRTH, TOTAL or LIVE BIRTHS

It is however highly recommended to include additional variables listed in chapter 2.4.

Import denominators

Select the file to import



Import denominators

Specify the type of data to import

The screenshot shows a software window titled 'Import data' with a 'Home' tab. It indicates it is connected to a CSV file at a specific path. A 'Select import' dropdown menu is open, showing four options: 'Individual cases', 'Aggregated cases', 'Denominators' (which is highlighted with a blue background and a red box), and 'Multiple malformation results'. A red circle highlights the dropdown arrow, with a red text annotation 'Click on the arrow to display the dropdown list.' pointing to it. Another red text annotation 'Specify the type of data you want to import.' points to the 'Denominators' option. At the bottom left, there is a 'Previous' button and a text instruction 'Go back to the previous step.' in purple. At the bottom right, there is a 'Next' button and a text instruction 'Once the selection is OK, click on Next.' in green.

Home Import data X

Connected to CSV file - C:\Users\perumil\PC\EUROCAT\DMS user guide\2_Denom.csv

Select import

Optional filter

- Individual cases
- Aggregated cases
- Denominators**
- Multiple malformation results

Click on the arrow to display the dropdown list.

Specify the type of data you want to import.

Go back to the previous step.

Previous

Once the selection is OK, click on Next.

Next

Import denominators

Matching columns

The next screen allows to check how DMS recognises the columns in the csv file and matches them with the columns it has in memory (table *denominatorExpanded*, see chapter [Export – Preliminary notions](#) for further detail). The association is based on the name of the columns.

Home Import data x

Connected to CSV file - C:\Users\... \EUROCAT\DMS user guide\2_Denom.csv

Denominators import selected

Custom

Columns in the csv file, as detected by DMS.

CSV.colour

CSV.year

CSV.live

CSV.total

DMS matches the columns based on their name.

Columns in memory in DMS.
The table *denominatorExpanded* contains the variables listed in [chapter 2.4](#) of guide 1.5.

denominatorExpanded.colour	COMPULSORY	Edit
denominatorExpanded.year	COMPULSORY	Edit
denominatorExpanded.live		Edit
denominatorExpanded.still		
denominatorExpanded.total		Edit
denominatorExpanded.notes		
denominatorExpanded.obs_0_19		
denominatorExpanded.obs_20_24		
denominatorExpanded.obs_25_29		
denominatorExpanded.obs_30_34		

Previous

Next

Scroll down to check the bottom of the list.

Import denominators

Matching columns - modify

In case DMS does not recognise a column in the csv file, it is indicated as a dropdown list.

The dropdown lists indicate that DMS doesn't find, in the csv file, a name matching the columns defined in table *denominatorExpanded*.

The association can be done manually.
(click on the arrow to display the list of columns available in the csv file)

Click to select.

An existing association can be edited, if needed.

Or the association can be left empty, if the column is not available in the csv file.

Home Import data x

Connected to CSV file - C:\Users\peranm\OneDrive\EUROCAT\DMS user guide\2_Denom.csv

Denominators import selected

Custom

CSV.centres denominatorExpanded.centres COMPULSORY Edit

CSV.year denominatorExpanded.year COMPULSORY Edit

CSV.live denominatorExpanded.live Edit

CSV.total denominatorExpanded.total Edit

denominatorExpanded.still

denominatorExpanded.total

denominatorExpanded.notes

denominatorExpanded.obs_0_19

denominatorExpanded.obs_20_24

denominatorExpanded.obs_25_29

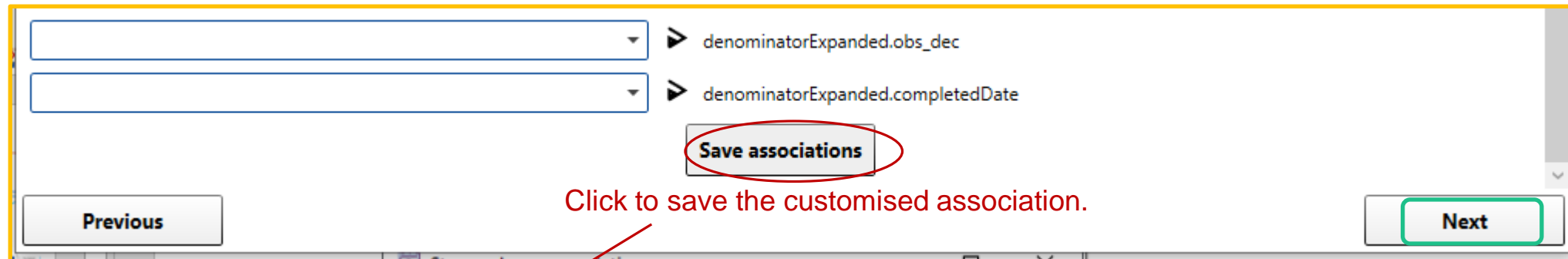
denominatorExpanded.obs_30_34

Previous Next

Import denominators

Matching columns – save association

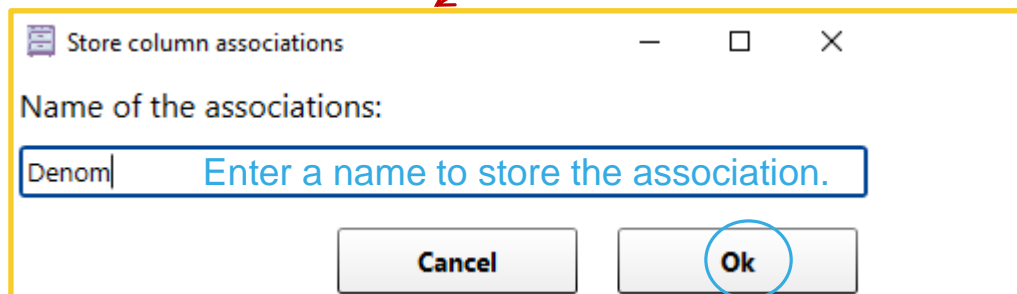
At the bottom of the columns list (scroll down to get there), you can save the association in order to reuse it for future import. This feature allows you to keep the original column names of your local system (i.e. you do not have to rename all the columns according to the DMS names, but you'll have to do the association manually and save it).



The screenshot shows a window with two dropdown menus on the left. The first dropdown is associated with 'denominatorExpanded.obs_dec' and the second with 'denominatorExpanded.completedDate'. A red circle highlights the 'Save associations' button. A red arrow points from the text 'Click to save the customised association.' to this button. At the bottom left is a 'Previous' button, and at the bottom right is a 'Next' button, which is highlighted with a green border. A green arrow points from the text 'Once the selection is OK, click on Next.' to the 'Next' button.

Click to save the customised association.

Once the selection is OK, click on Next.



The dialog box is titled 'Store column associations'. It contains a text field labeled 'Name of the associations:' with the text 'Denom' entered. A blue arrow points from the text 'Enter a name to store the association.' to the text field. At the bottom are 'Cancel' and 'Ok' buttons, with the 'Ok' button circled in blue. A blue arrow points from the text 'Click on OK to save.' to the 'Ok' button.

Click on OK to save.

Import denominators

Matching columns – reuse an association

A saved column association can be reused from the step presented [slide 20](#).

Home Import data x

Click on the arrow to display the list of saved associations.

Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\2_Denom.csv

Denominators import selected

Custom

EDMP csv file ← This predefined column association can be used when importing a file extracted from the old EDMP

Denom

Custom

denominatorExpanded.csv

Next

If you have exported the csv file from the previous EUROCAT software (EDMP), you can use the predefined association *EDMP CSV file*, which accounts for the different names between EDMP and DMS.

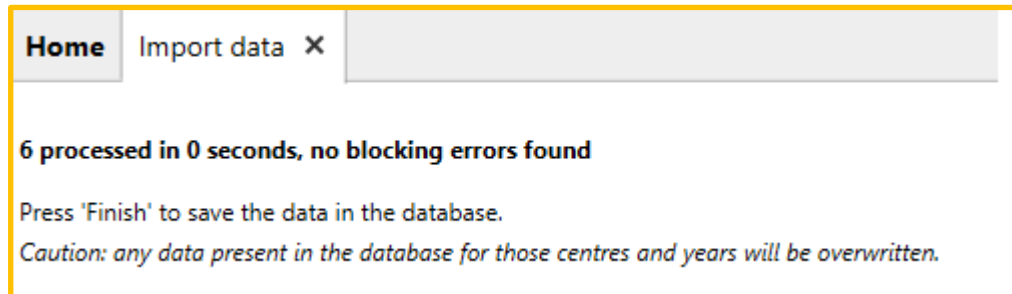
Scroll down to the bottom and click on Next.

Next

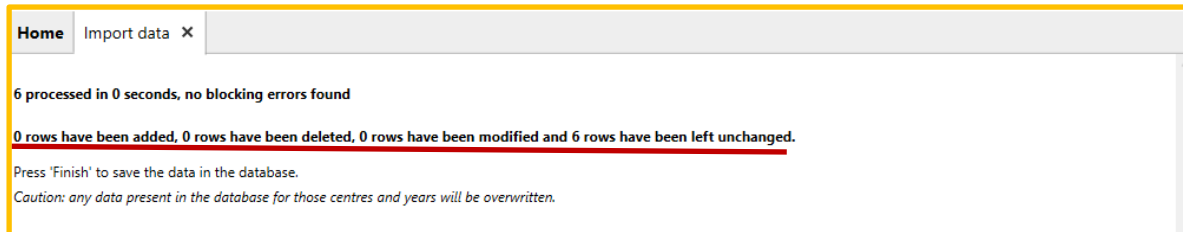
Import denominators

Finalise the import – preliminary report

After you clicked on Next, DMS analyses the csv file you import and provides a preliminary summary:



If you are **re-importing** birth years already available in the DMS, the display will look like this:



CAUTION !!!!

If you want to modify a birth year already imported in the DMS (i.e. modify, add or delete denominators), you need to re-import ALL the available denominators from that birth year.

Import denominators

Finalise the import – blocking errors

If your file contains blocking errors, DMS will indicate this at this stage and **discard the rows** with blocking errors. → **correct the blocking errors before finishing the import**

Home Import data ×

Fatal errors that prevent row import
At row number 3: Column year cannot be null
At row number 4: Column centre cannot be null
At row number 6: Column year cannot be null

3 processed in 0 seconds, 3 rows will be discarded since they contain fatal errors

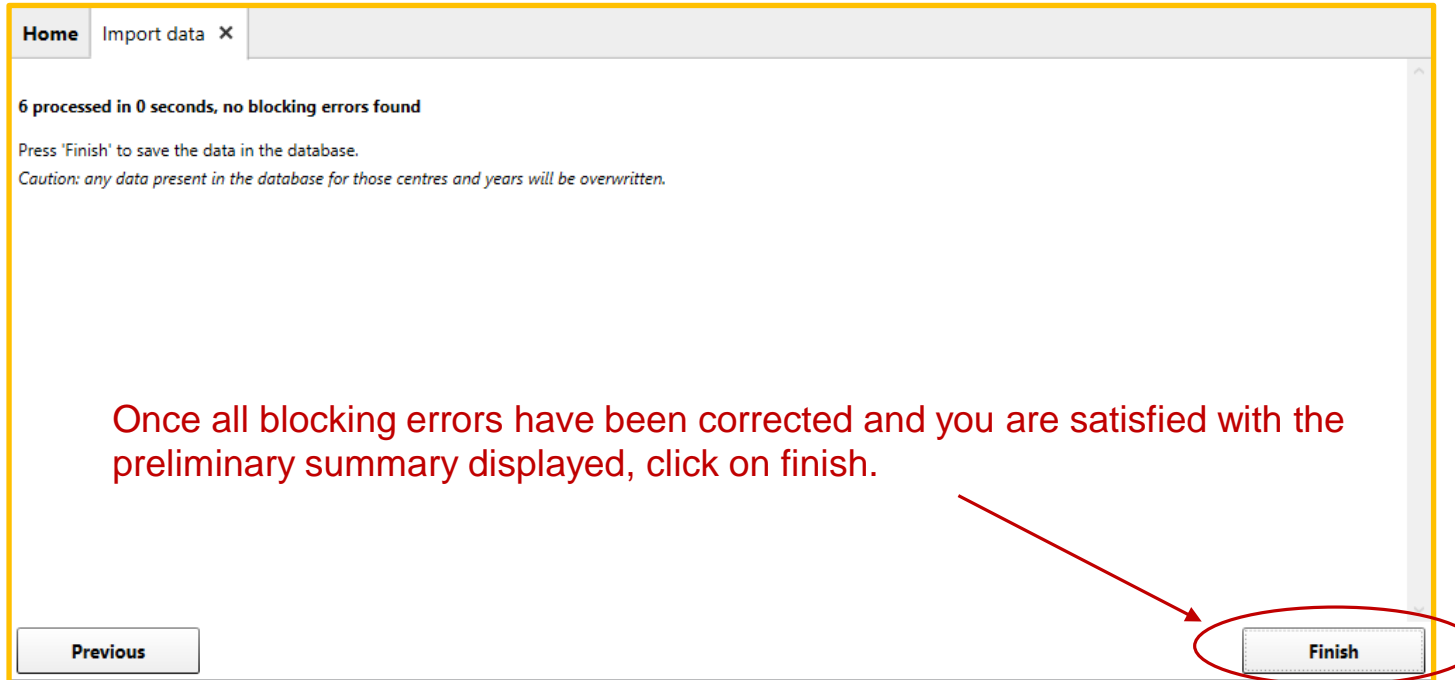
0 rows have been added, 0 rows have been deleted, 1 rows have been modified and 2 rows have been left unchanged.

Press 'Finish' to save the data in the database.

Caution: any data present in the database for those centres and years will be overwritten.

Import denominators

Finalise the import – finish



Home Import data ✕

6 processed in 0 seconds, no blocking errors found

Press 'Finish' to save the data in the database.
Caution: any data present in the database for those centres and years will be overwritten.

Once all blocking errors have been corrected and you are satisfied with the preliminary summary displayed, click on finish.

Previous Finish

Home Import data ✕

Data imported correctly in 0 seconds. DMS will confirm the import.

3. Import aggregated data

Import aggregated data

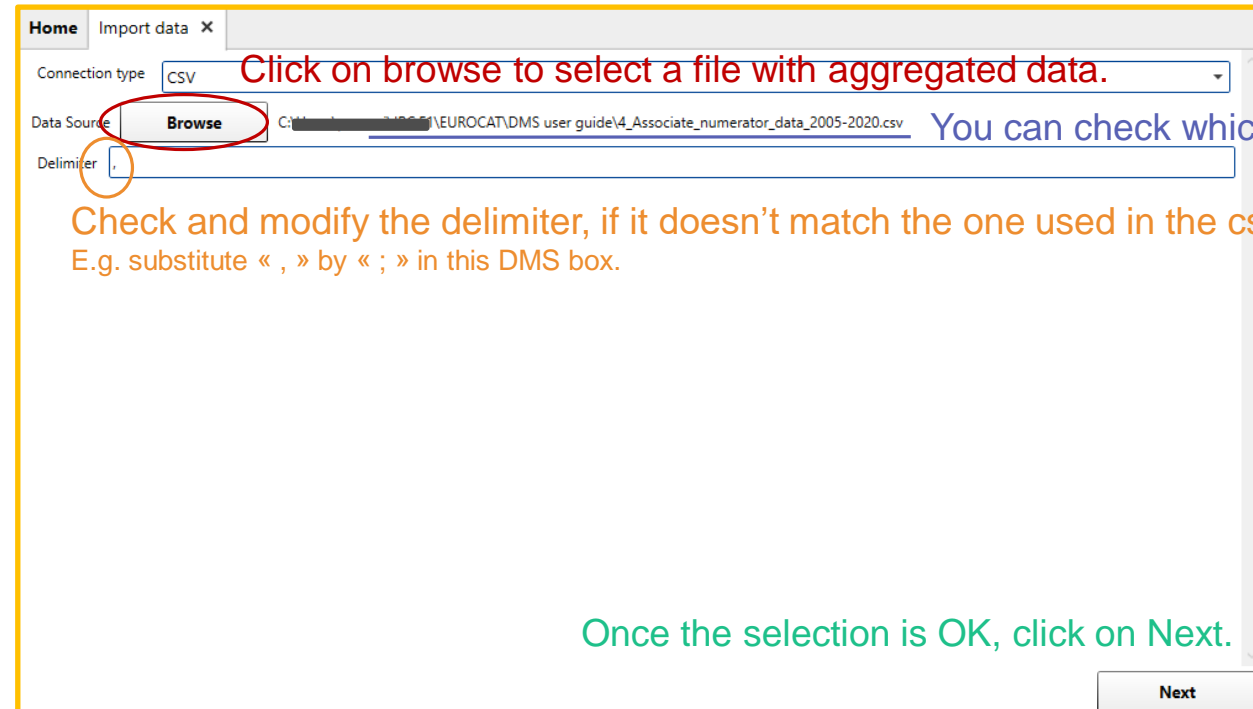
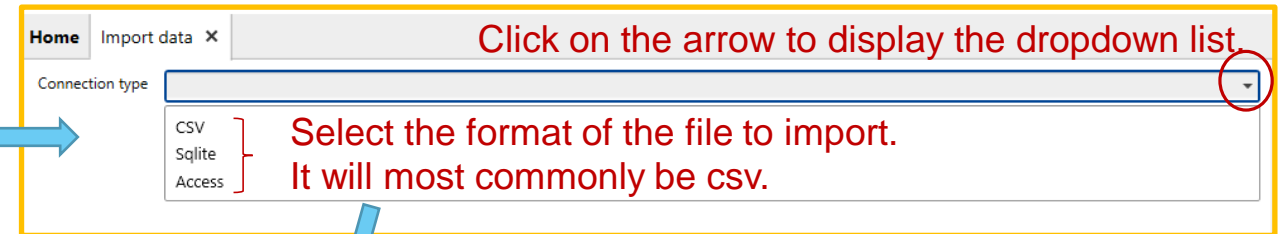
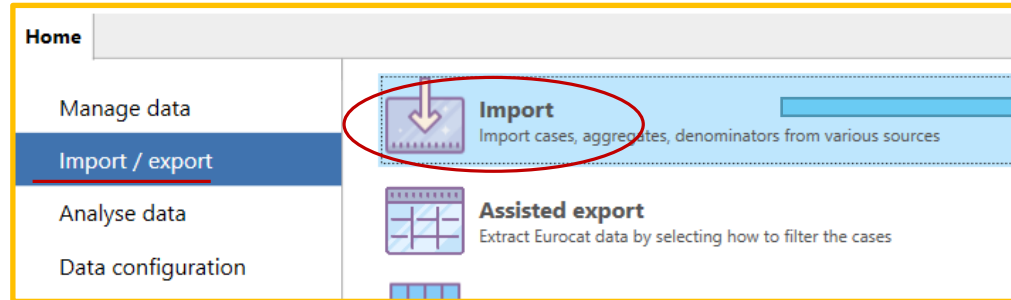
Prepare the .csv file

- Importing **aggregated data** is rather a functionality **for the Central Registry** that receives aggregated data from associate registries. It is however presented here, in case associate registries want to check that the file prepared for data submission to the Central Registry is correct (if it has not been prepared with DMS from individual cases).
- The import file should contain the **variables described in [chapter 2.3](#)** of the **EUROCAT Guide 1.5**.
- As a **minimum** to allow the import, the **following columns** are compulsory:

CENTRE, YEAR OF BIRTH, ANOMALY ID

Import aggregated data

Select the file to import



Import aggregated data

Specify the type of data to import

The screenshot shows a software window titled 'Import data' with a 'Home' tab. The window indicates it is 'Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\4_Associate_numerator_data_2005-2020.csv'. A 'Select import' dropdown menu is open, showing four options: 'Individual cases', 'Aggregated cases' (which is highlighted with a blue background and a red border), 'Denominators', and 'Multiple malformation results'. A red circle highlights the dropdown arrow, with a red text annotation 'Click on the arrow to display the dropdown list.' Another red text annotation 'Specify the type of data you want to import.' points to the 'Aggregated cases' option. At the bottom left, there is a 'Previous' button and a text instruction 'Go back to the previous step.' in purple. At the bottom right, there is a 'Next' button and a text instruction 'Once the selection is OK, click on Next.' in green.

Home Import data ×

Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\4_Associate_numerator_data_2005-2020.csv

Select import Click on the arrow to display the dropdown list.

Optional filters

- Individual cases
- Aggregated cases** Specify the type of data you want to import.
- Denominators
- Multiple malformation results

Go back to the previous step.

Previous

Once the selection is OK, click on Next.

Next

Import aggregated data

Matching columns

The next screen allows to check how DMS recognises the columns in the csv file and matches them with the columns it has in memory (table *aggregate*, see chapter [Export – Preliminary notions](#) for further detail). The association is based on the name of the columns.

Columns in memory in DMS.
The table *aggregate* contains the
variables listed in [chapter 2.3 of Guide 1.5](#).

Columns in the csv file,
as detected by DMS.

The screenshot shows the 'Import data' window in DMS. At the top, it says 'Connected to CSV file - C:\...EUROCAT\DMS user guide\4_Associate_numerator_data_2005-2020.csv'. Below this, it says 'Aggregated cases import selected'. The main area is divided into two columns. The left column lists columns from the CSV file: 'CSV.centre', 'CSV.year', an empty field, 'CSV.live', 'CSV.still', and 'CSV.topfa'. The right column lists columns from the 'aggregate' table: 'aggregate.centre', 'aggregate.year', 'aggregate.anomalyId', 'aggregate.live', 'aggregate.still', 'aggregate.topfa', 'aggregate.live_ec', 'aggregate.still_ec', 'aggregate.topfa_ec', and 'aggregate.completedDate'. A large blue double-headed arrow points between the two columns, with the text 'DMS matches the columns based on their name.' in the center. To the right of the 'aggregate' column, there are labels 'COMPULSORY' and 'Edit' buttons for each row. At the bottom, there are 'Previous' and 'Next' buttons, and a 'Save associations' button.

CSV File Column	DMS Match	Aggregate Table Column	Field Type	Action
CSV.centre	✓	aggregate.centre	COMPULSORY	Edit
CSV.year	✓	aggregate.year	COMPULSORY	Edit
	✓	aggregate.anomalyId		
CSV.live	✓	aggregate.live	COMPULSORY	Edit
CSV.still	✓	aggregate.still		Edit
CSV.topfa	✓	aggregate.topfa		Edit
	✓	aggregate.live_ec		
	✓	aggregate.still_ec		
	✓	aggregate.topfa_ec		
	✓	aggregate.completedDate		

Import aggregated data

Matching columns - modify

In case DMS does not recognise a column in the csv file, it is indicated as a dropdown list.

Home Import data X

Connected to CSV file - C:\[redacted]\EUROCAT\DMS user guide\4_Associate_numerator_data_2005-2020.csv

Aggregated cases import selected

CSV.colonne

CSV.year

CSV.live

CSV.still

CSV.topfa

aggregate.colonne

aggregate.year

aggregate.anomalyId

aggregate.live

aggregate.still

aggregate.topfa

aggregate.live_ec

aggregate.still_ec

aggregate.topfa_ec

aggregate.completedDate

Save associations

Previous

Next

The dropdown lists indicate that DMS doesn't find, in the csv file, a name matching the columns defined in table *aggregate*.

The association can be done manually.
(click on the arrow to display the list of columns available in the csv file)

Click to select.

An existing association can be edited, if needed.

Or the association can be left empty, if the column is not available in the csv file.

Import aggregated data

Matching columns – save association

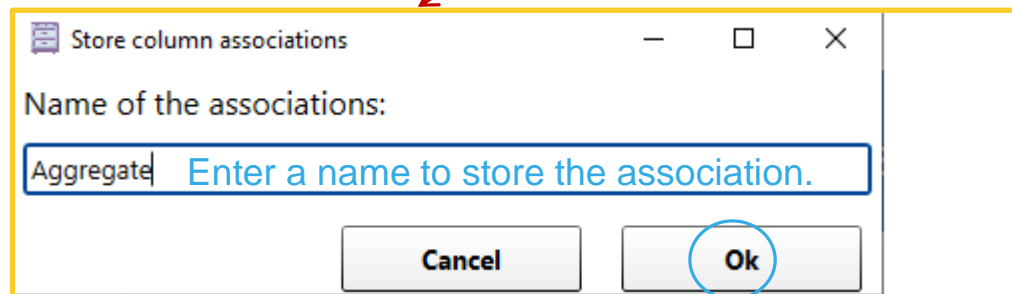
At the bottom of the columns list (scroll down to get there), you can save the association in order to reuse it for future import. This feature allows you to keep the original column names of your local system (i.e. you do not have to rename all the columns according to the DMS names, but you'll have to do the association manually and save it).



The screenshot shows a horizontal interface with a dropdown menu on the left, a text label 'aggregate.completedDate' in the center, and a 'Save associations' button on the right. The button is circled in red. Below the button is a red arrow pointing to a dialog box. To the left of the button is a 'Previous' button, and to the right is a 'Next' button.

Click to save the customised association.

Once the selection is OK, click on Next.



The screenshot shows a dialog box titled 'Store column associations'. It has a text input field with the text 'Aggregate' and a blue prompt 'Enter a name to store the association.' to its right. Below the input field are 'Cancel' and 'Ok' buttons. The 'Ok' button is circled in blue.

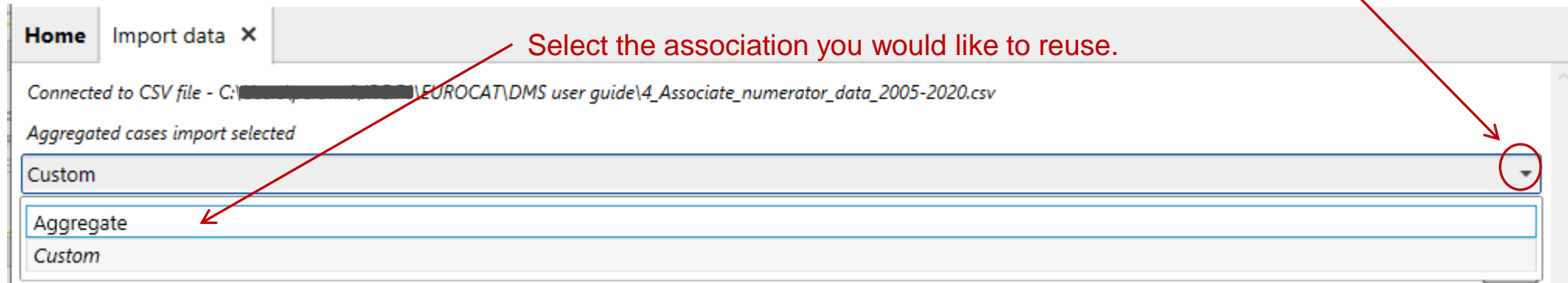
Click on OK to save.

Import aggregated data

Matching columns – reuse an association

A saved column association can be reused from the step presented [slide 31](#).

Click on the arrow to display the list of saved associations.



NB: the dropdown list will appear in DMS interface only if there is a least one association saved for aggregated data.

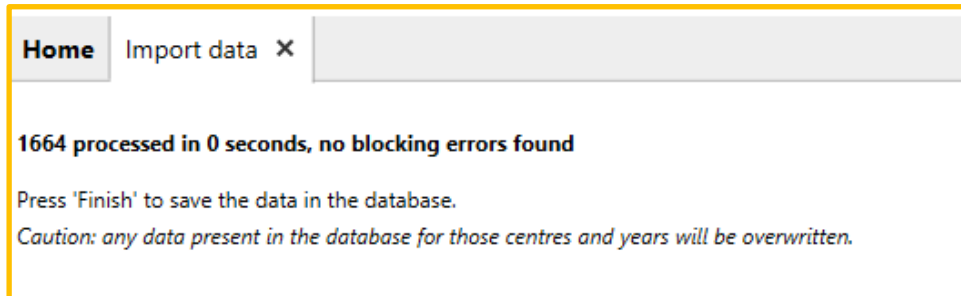
Scroll down to the bottom and
click on Next.

Next

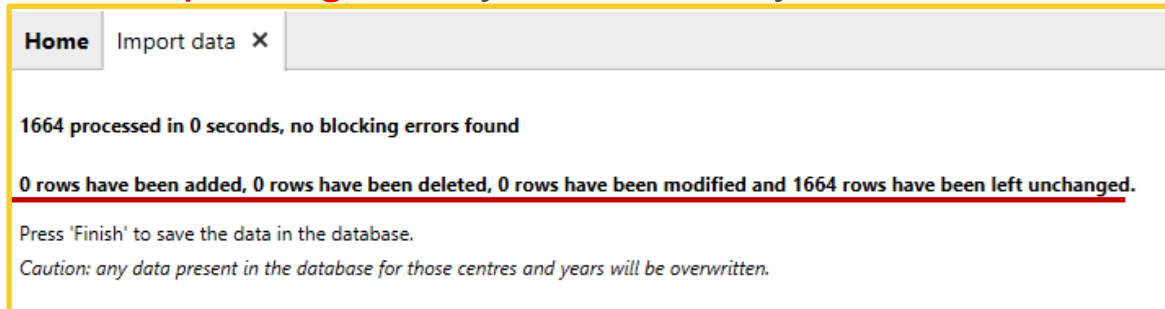
Import aggregated data

Finalise the import – preliminary report

After you clicked on Next, DMS analyses the csv file you import and provides a preliminary summary:



If you are **re-importing** birth years already available in the DMS, the display will look like this:



CAUTION !!!!

If you want to modify a birth year already imported in the DMS (i.e. modify, add or delete denominators), you need to re-import ALL the available data from that birth year.

Import aggregated data

Finalise the import – blocking errors

If your file contains blocking errors, DMS will indicate this at this stage and **discard the rows** with blocking errors. → correct the blocking errors before finishing the import

Home Import data ×

Fatal errors that prevent row import

- At row number 14: Column anomalyId cannot be null
- At row number 15: Column anomalyId cannot be null
- At row number 16: Column anomalyId cannot be null
- At row number 17: Column anomalyId cannot be null
- At row number 18: Column anomalyId cannot be null
- At row number 63: Column year cannot be null
- At row number 64: Column year cannot be null
- At row number 65: Column year cannot be null
- At row number 66: Column year cannot be null
- At row number 67: Column year cannot be null
- At row number 97: Column centre cannot be null
- At row number 98: Column centre cannot be null
- At row number 99: Column centre cannot be null

1664 processed in 0 seconds, 13 rows will be discarded since they contain fatal errors

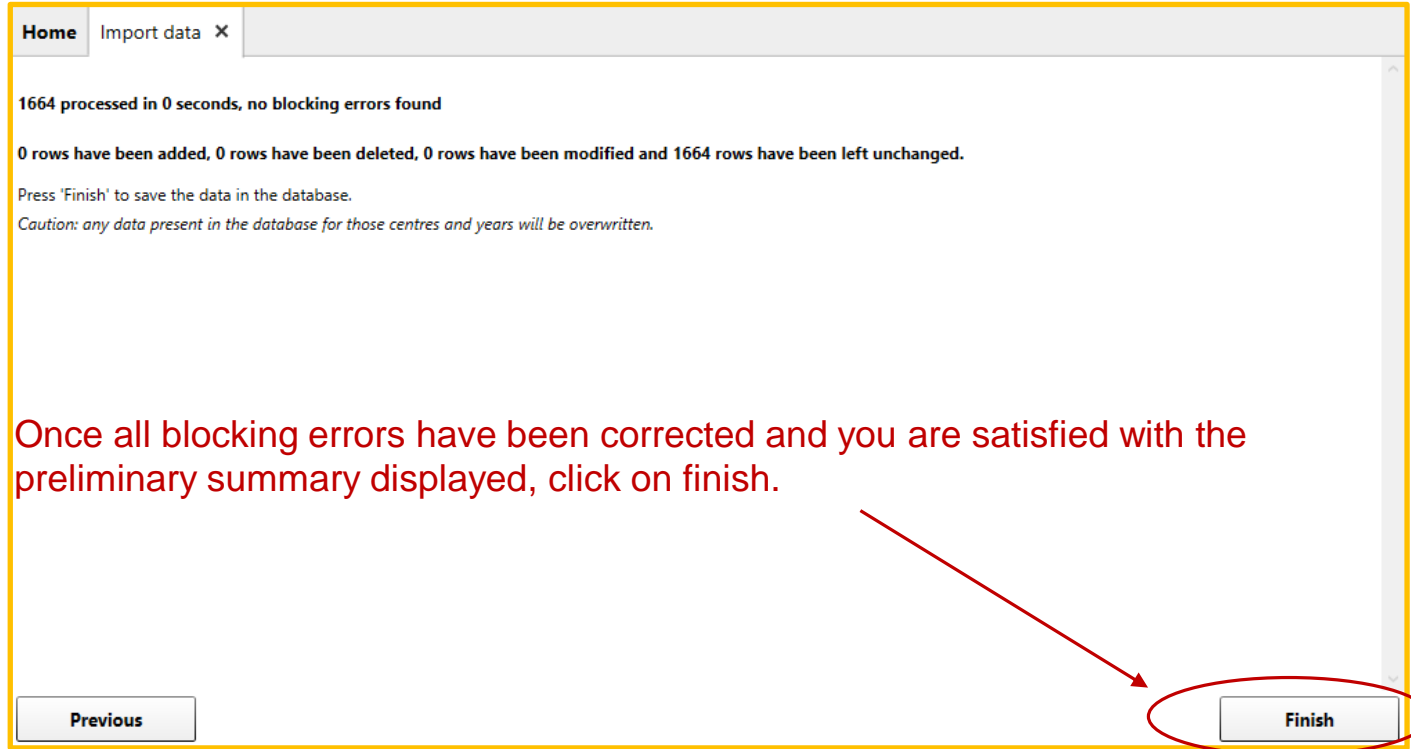
0 rows have been added, 13 rows have been deleted, 0 rows have been modified and 1651 rows have been left unchanged.

Press 'Finish' to save the data in the database.

Caution: any data present in the database for those centres and years will be overwritten.

Import aggregated data

Finalise the import – finish



Home Import data X

1664 processed in 0 seconds, no blocking errors found

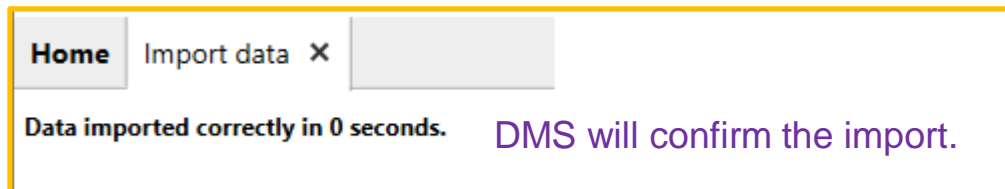
0 rows have been added, 0 rows have been deleted, 0 rows have been modified and 1664 rows have been left unchanged.

Press 'Finish' to save the data in the database.

Caution: any data present in the database for those centres and years will be overwritten.

Once all blocking errors have been corrected and you are satisfied with the preliminary summary displayed, click on finish.

Previous Finish



Home Import data X

Data imported correctly in 0 seconds. DMS will confirm the import.

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