Dental Services

NHS

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E Reporting Good Practice Guide

Building Reports: Creating a Variable

Supporting the NHS, supplying the NHS, protecting the NHS

NHS Dental Services is a service provided by the NHS Business Services Authority

Building reports

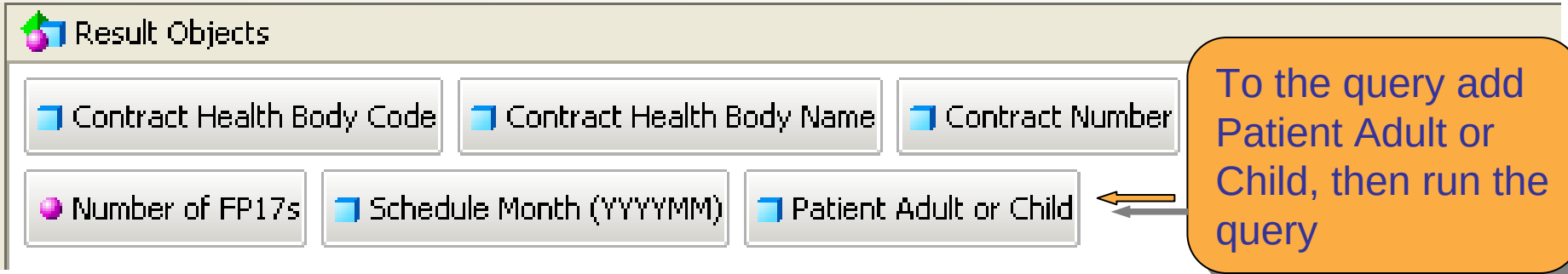
In E-reporting it is possible to build your own variables. As an example a simple report will be created showing the % of FP17s where patients were children

Techniques shown in earlier parts of the user guide will be used , if unsure of any please refer back

Copy the Activity Skeleton Report into your favourites and rename it “Child FP17s”. Then click on modify on this new report

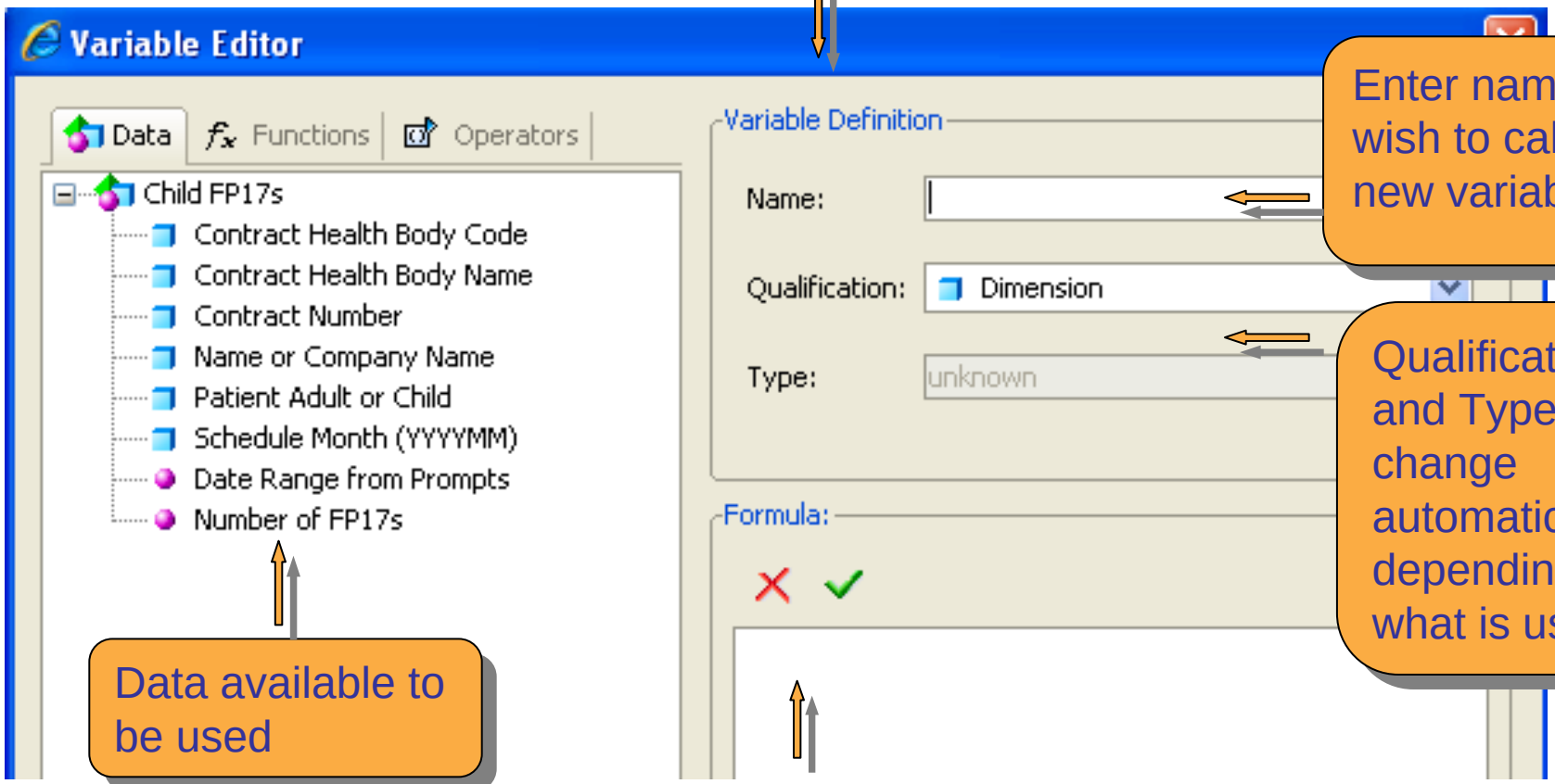
Even when building your own reports, it is recommended that the starting point is the Activity Skeleton Report, as this has been formatted and includes titles etc

Creating a Variable



Creating a Variable

The Variable Editor window is now open enabling the creation of a new variable



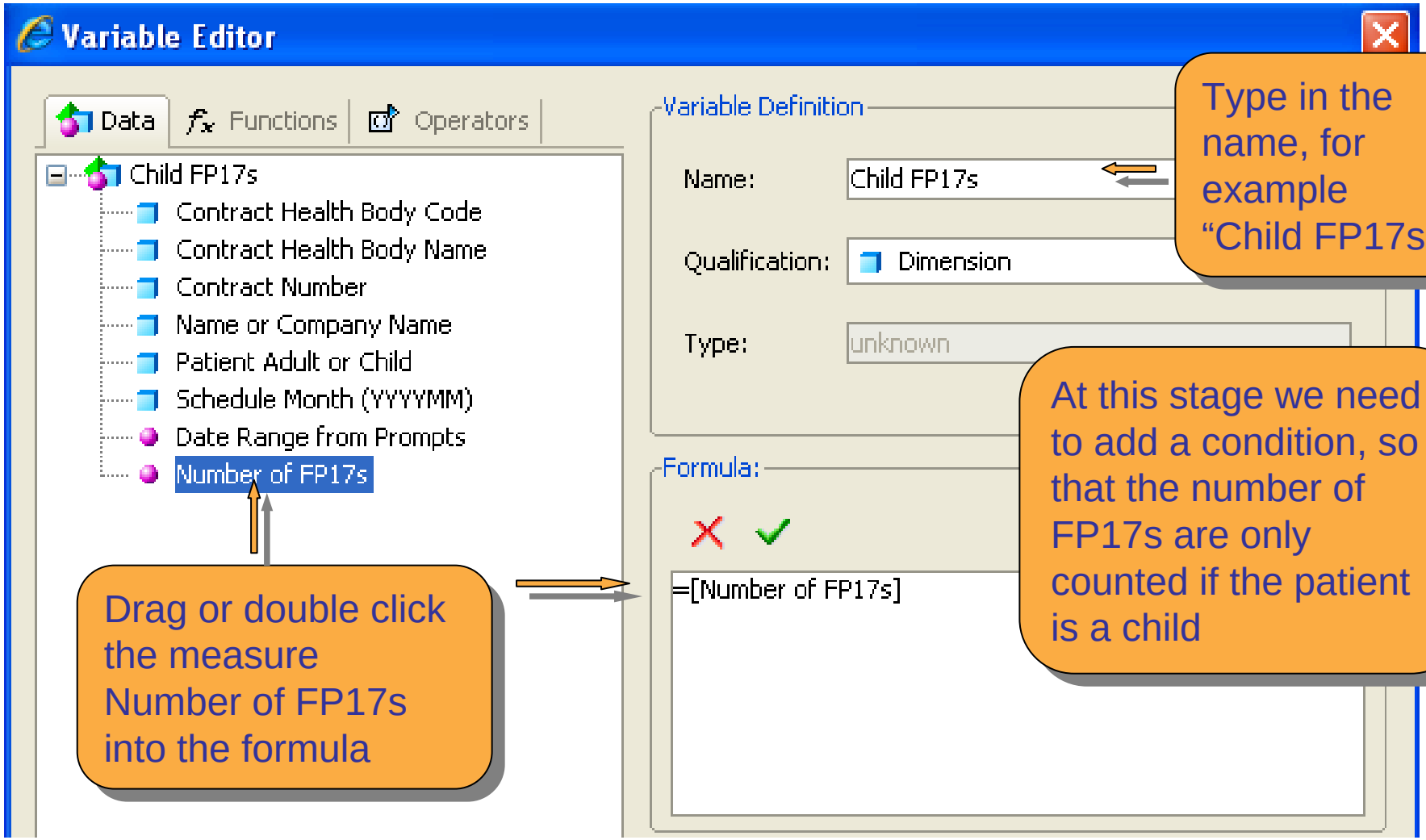
Enter name you wish to call the new variable

Qualification and Type will change automatically depending on what is used

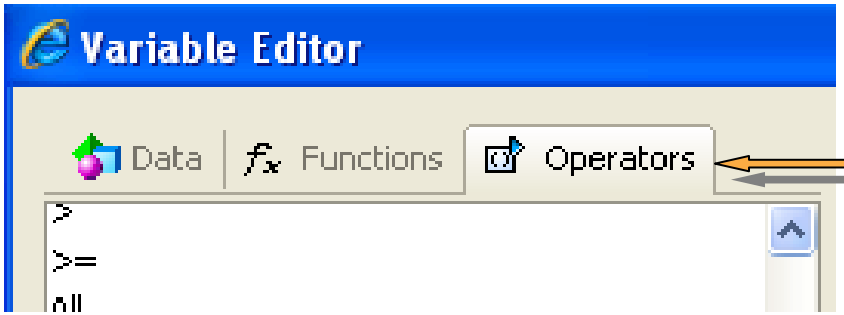
Data available to be used

The formula is where the variable is defined. In this case a variable for Child FP17s will be created

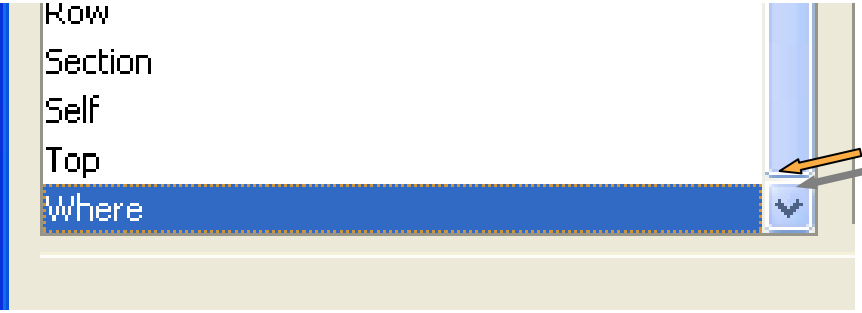
Creating a Variable



Creating a Variable

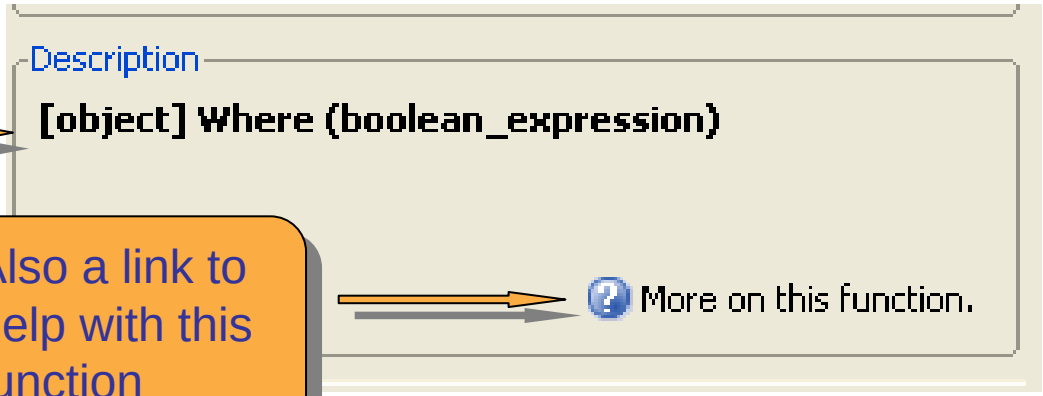


To calculate the number of FP17s only counted if the patient is a child, a condition needs to be applied by using an Operator which can be used to define a query



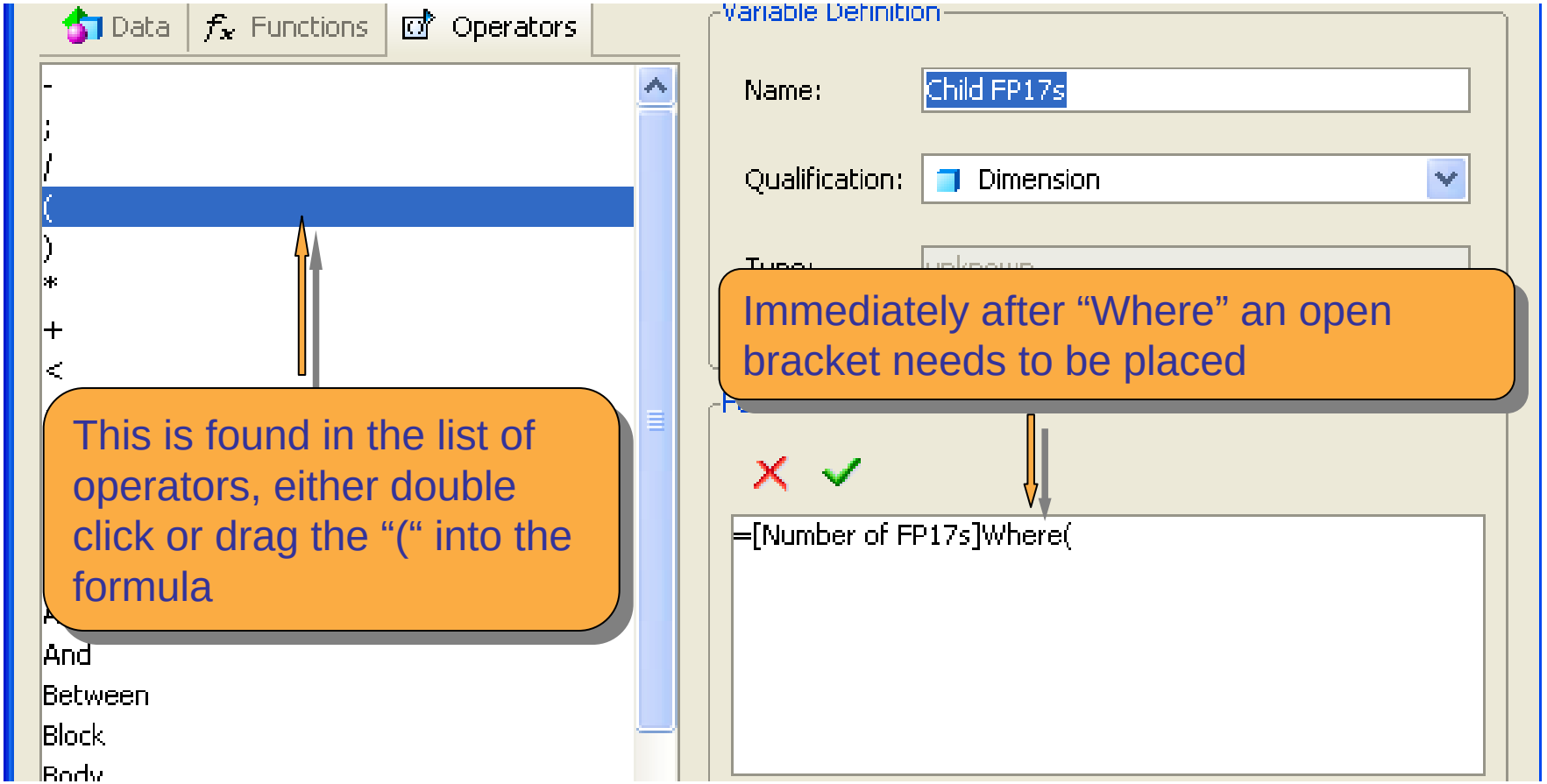
Scroll down to find the “Where” operator then double click so it appears in the formula

Description appears when the operator is highlighted

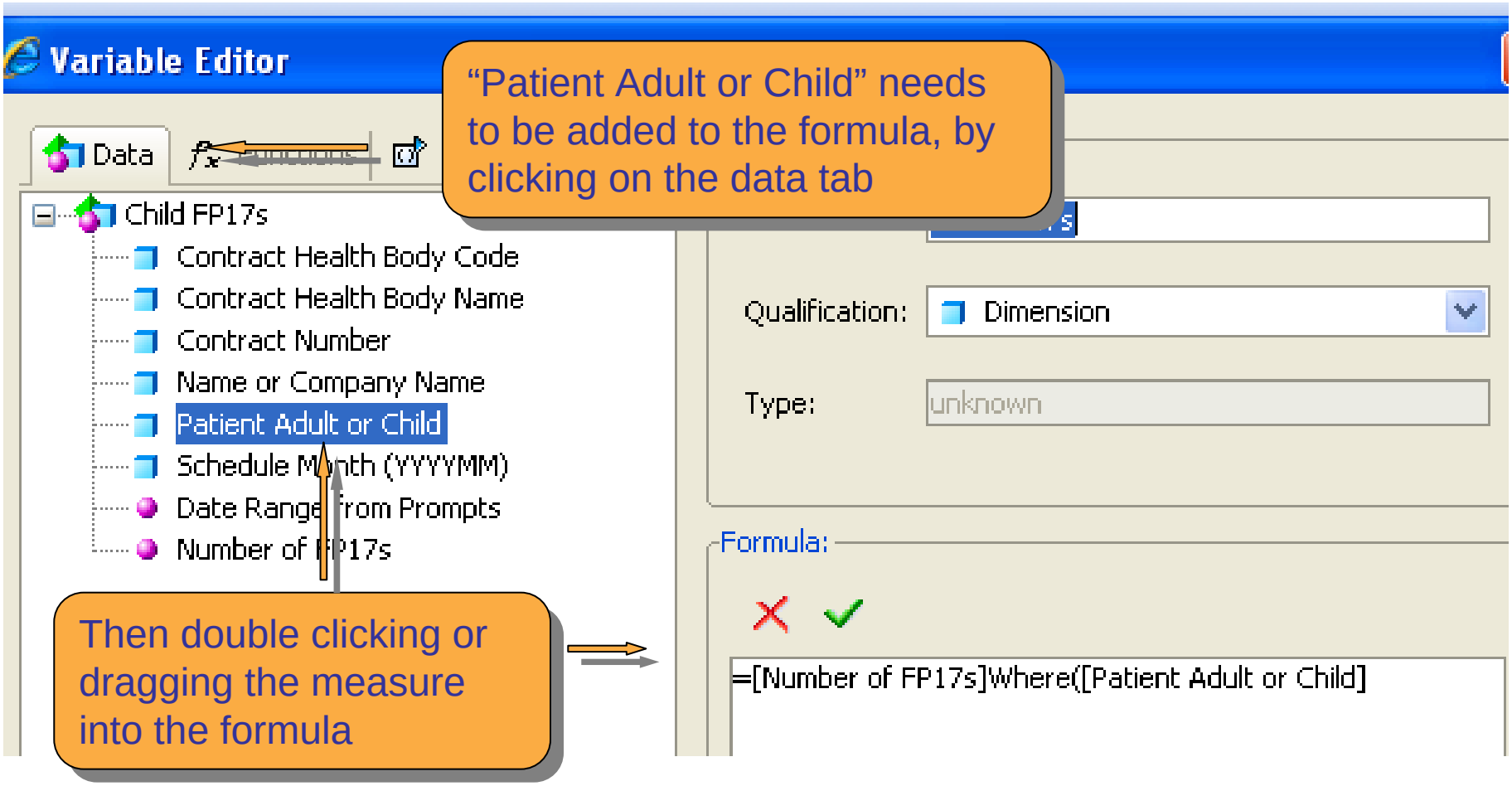


Also a link to help with this function

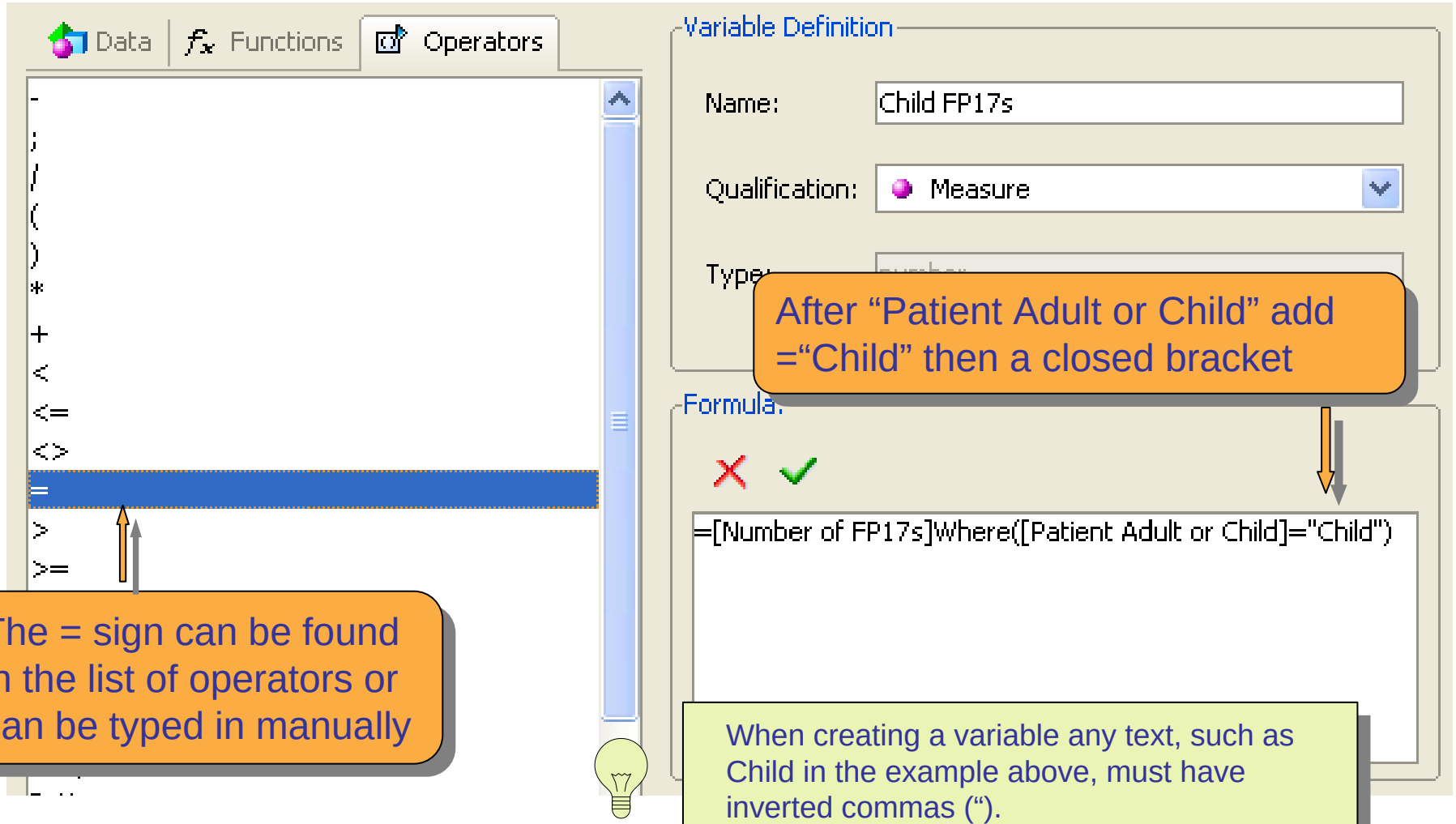
Creating a Variable



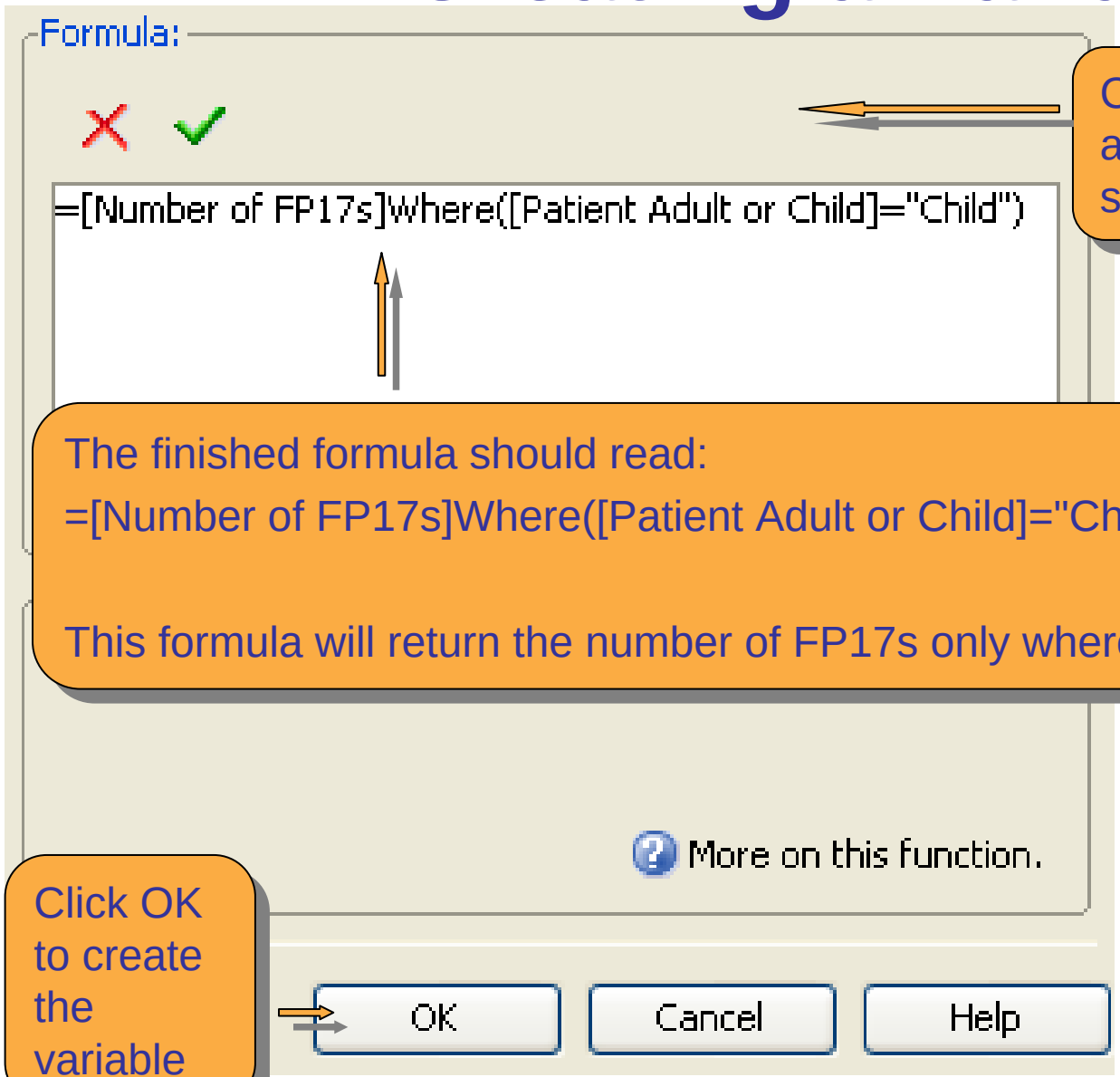
Creating a Variable



Creating a Variable



Creating a Variable



Clicking on the green tick allows a user to check to see if the formula is correct

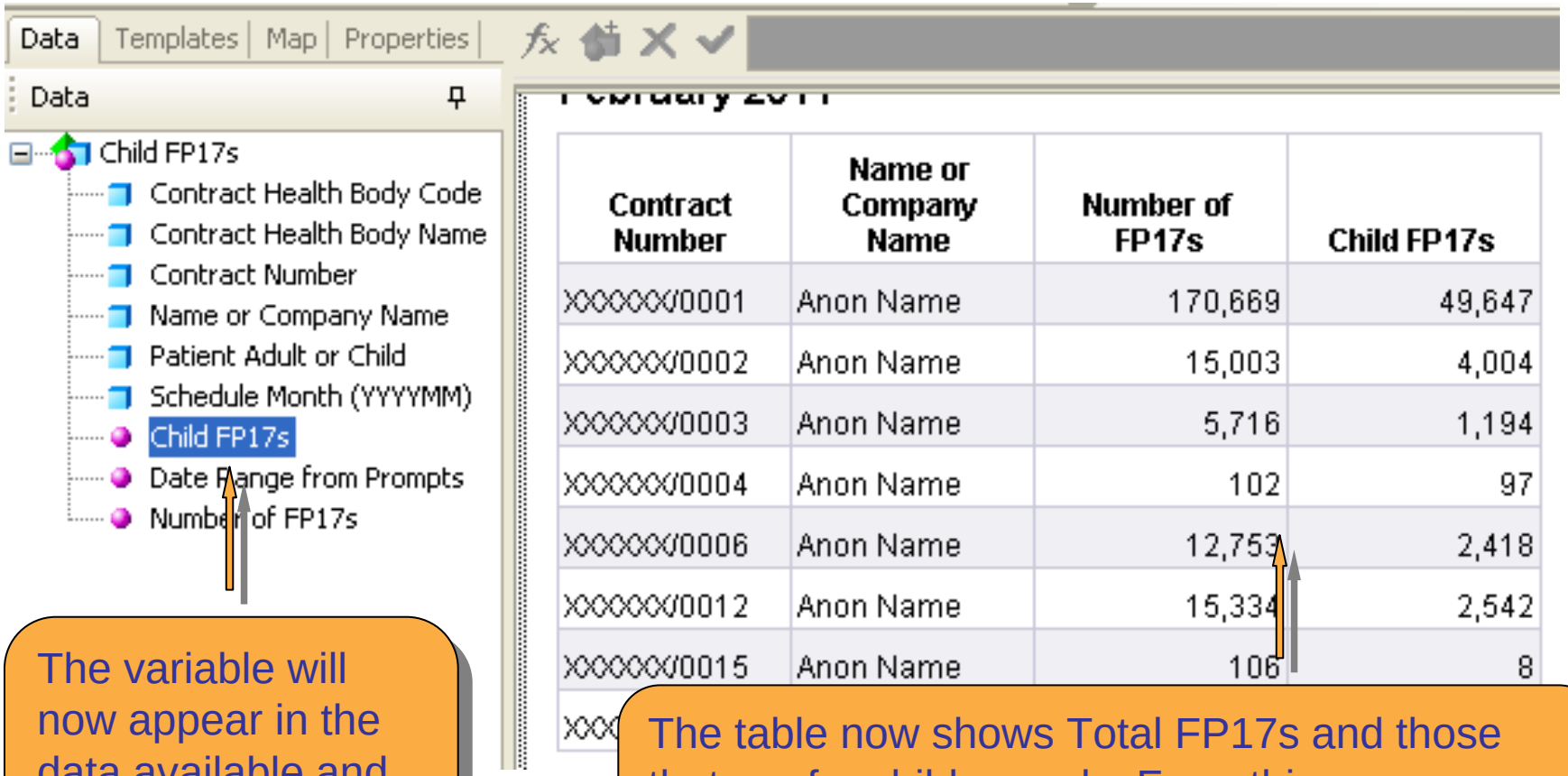
The finished formula should read:

=[Number of FP17s]Where([Patient Adult or Child]="Child")

This formula will return the number of FP17s only where the Patient is a child

Click OK to create the variable

Creating a Variable



The variable will now appear in the data available and can be added to the report

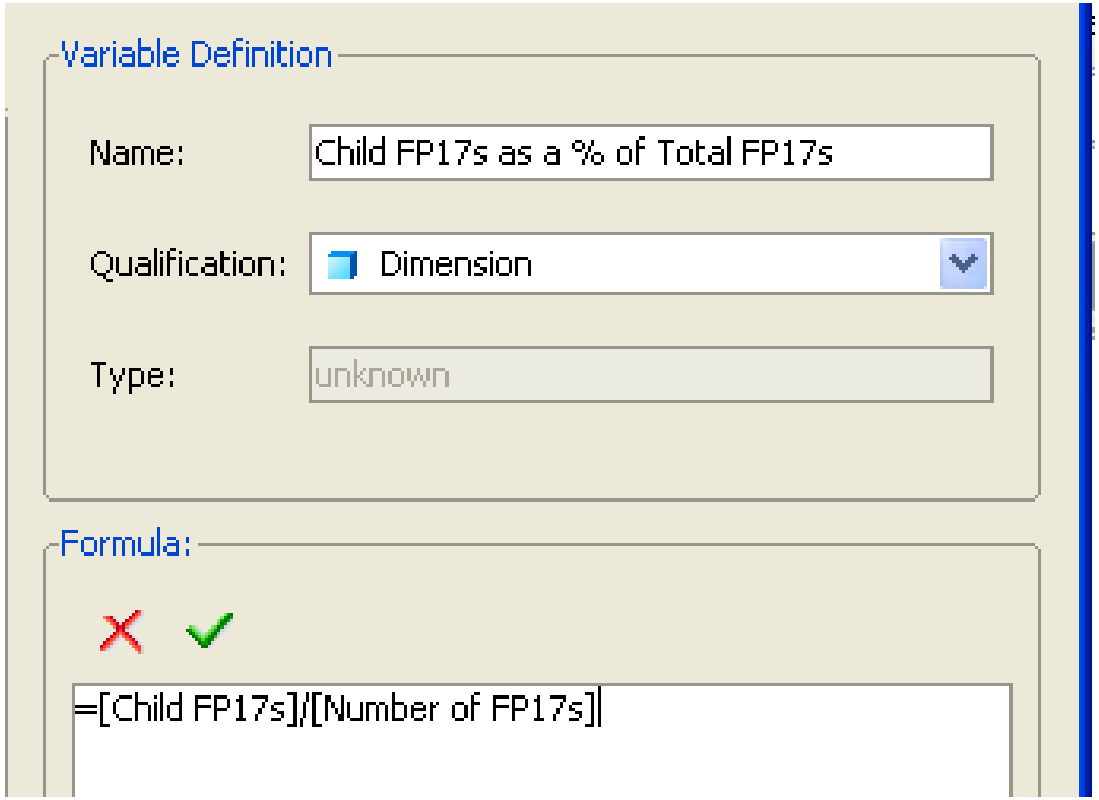
The table now shows Total FP17s and those that are for children only. From this we can create a further variable to show Child FP17s as a % of Total FP17s

Creating a Variable

To create Child FP17s as a % of Total FP17s we need to use the formula:

=[Child FP17s]/[Number of FP17s]

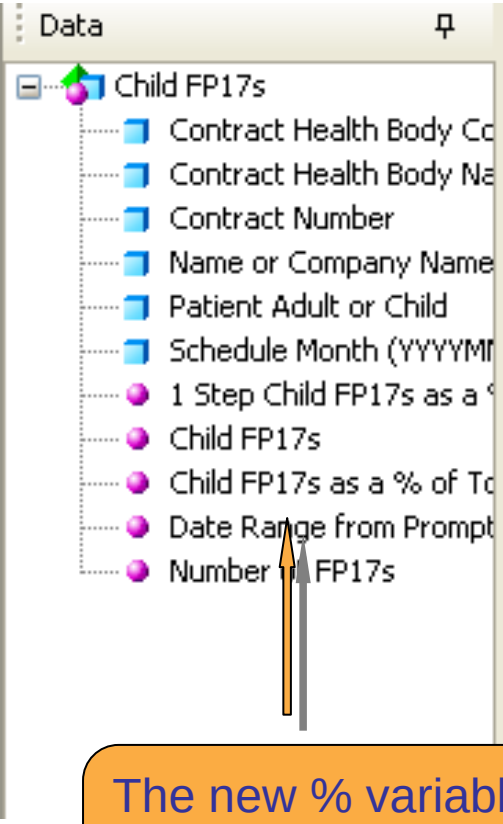
The operator */* is used when dividing



Child FP17s as a % of Total FP17s can be created in one step by using the formula, please note the brackets around the first part:

=([Number of FP17s]Where([Patient Adult or Child]="Child"))/[Number of FP17s]

Creating a Variable



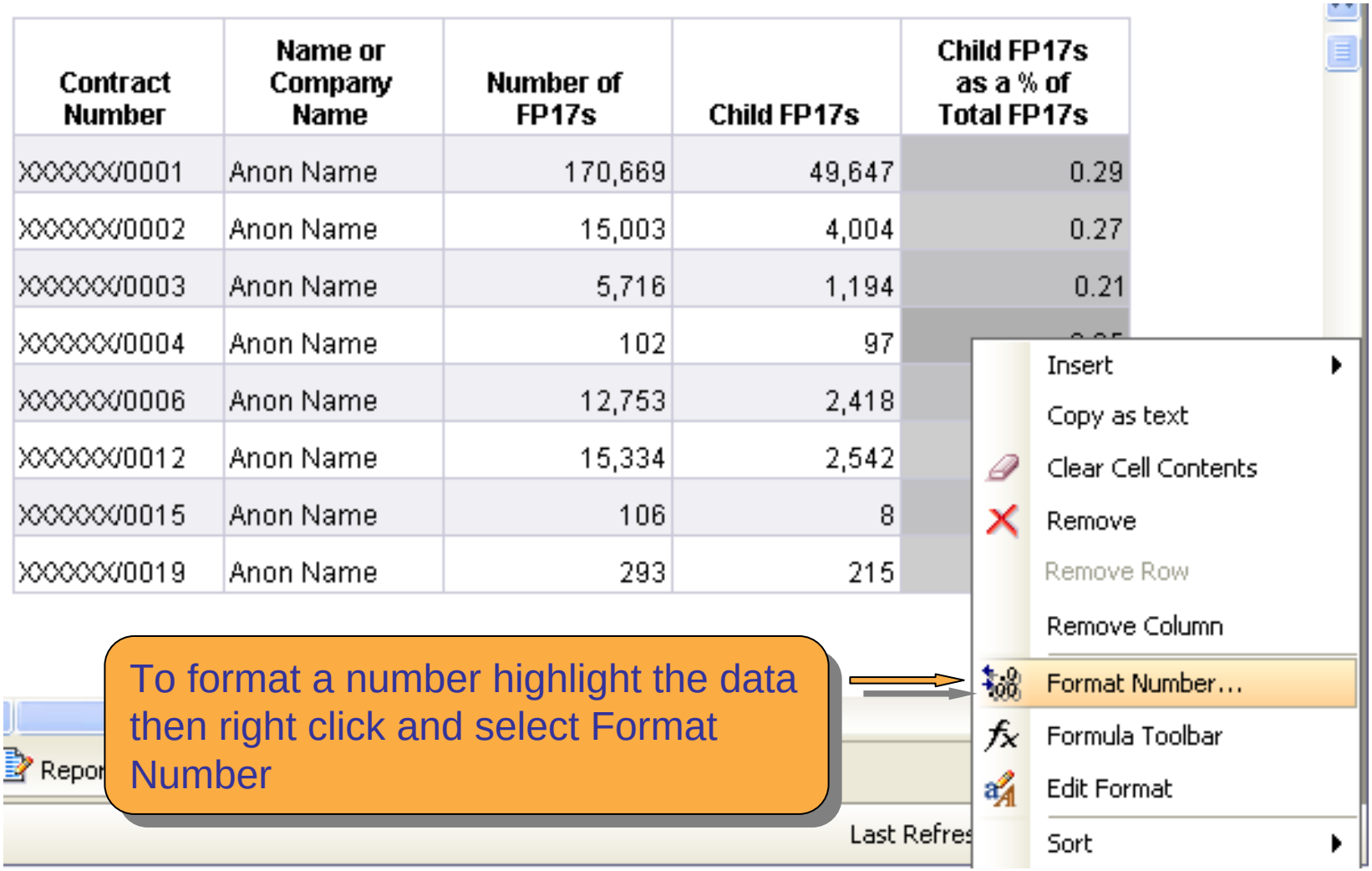
Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child FP17s as a % of Total FP17s
XXXXXX/0001	Anon Name	170,669	49,647	0.29
XXXXXX/0002	Anon Name	15,003	4,004	0.27
XXXXXX/0003	Anon Name	5,716	1,194	0.21
XXXXXX/0004	Anon Name	102	97	0.95
XXXXXX/0006	Anon Name	12,753	2,418	0.19
XXXXXX/0012	Anon Name	15,334	2,542	0.17
XXXXXX/0015	Anon Name	106	8	0.08
XXXXXX/0019	Anon Name	293	215	0.73

The new % variable can be added to the report

Note that the % appears as a decimal. To make it into a % figure the number can be formatted

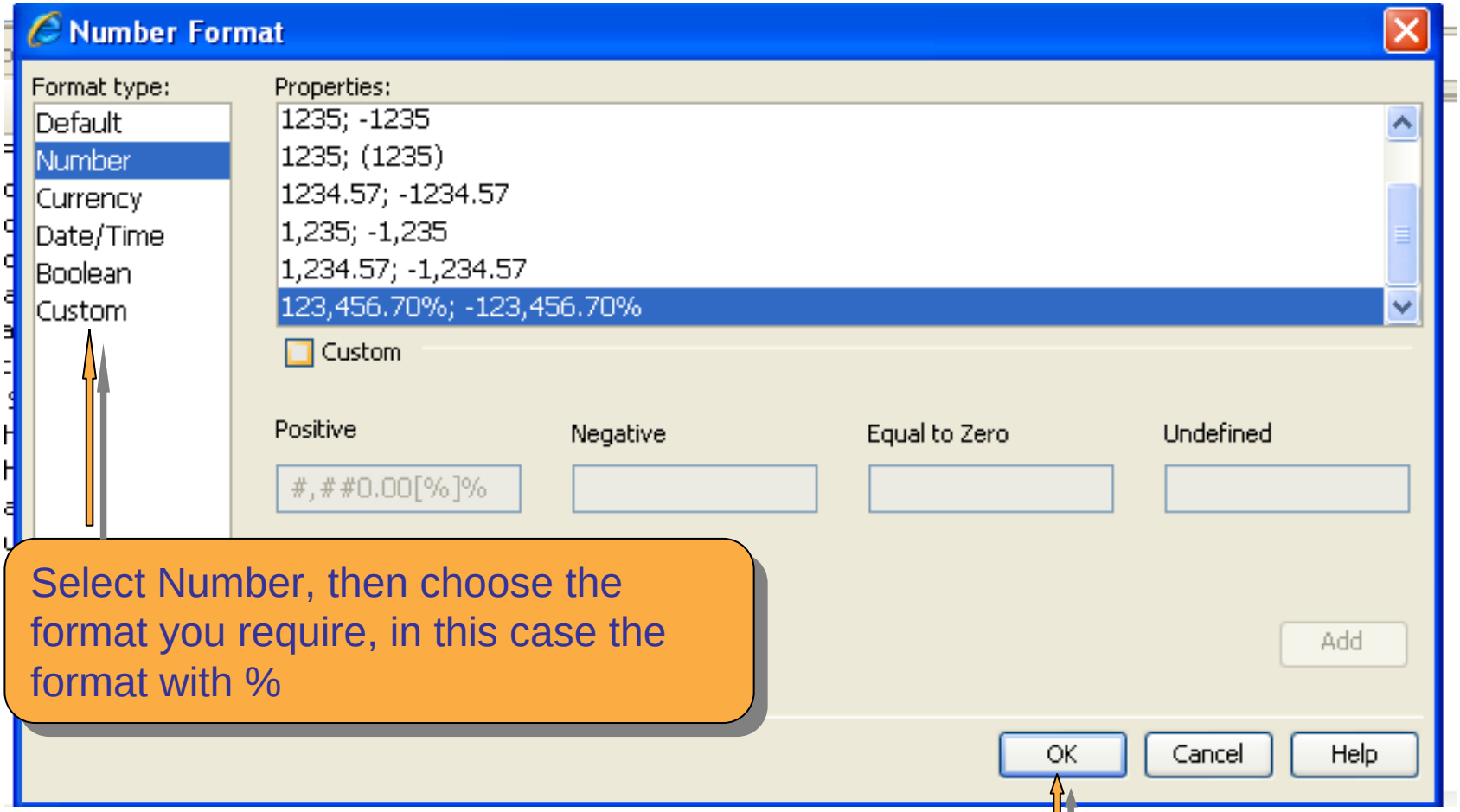
Creating a Variable

Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child FP17s as a % of Total FP17s
XXXXXX/0001	Anon Name	170,669	49,647	0.29
XXXXXX/0002	Anon Name	15,003	4,004	0.27
XXXXXX/0003	Anon Name	5,716	1,194	0.21
XXXXXX/0004	Anon Name	102	97	
XXXXXX/0006	Anon Name	12,753	2,418	
XXXXXX/0012	Anon Name	15,334	2,542	
XXXXXX/0015	Anon Name	106	8	
XXXXXX/0019	Anon Name	293	215	



To format a number highlight the data then right click and select Format Number

Creating a Variable



Select Number, then choose the format you require, in this case the format with %

Click OK , then the number should be formatted as a % in the table

Creating a Variable

Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child FP17s as a % of Total FP17s
XXXXXX/0001	Anon Name	170,669	49,647	29.09%
XXXXXX/0002	Anon Name	15,003	4,004	26.69%
XXXXXX/0003	Anon Name	5,716	1,194	20.89%
XXXXXX/0004	Anon Name	102	97	95.10%
XXXXXX/0006	Anon Name	12,753	2,418	18.96%
XXXXXX/0012	Anon Name	15,334	2,542	16.58%
XXXXXX/0015	Anon Name	106	8	7.55%
XXXXXX/0019	Anon Name	293	215	73.38%

The number is now formatted as a %

An alternative to formatting the number is to multiply the figure by 100

Common Operators used in creating a variable

Between; as shown in the Child FP17 example

Where; as shown in the Child FP17 example

***** multiply; e.g.: =[Child FP17s]*100

to turn a decimal fraction into a percentage

/ divide ; as shown in the Child FP17 example

<,>, <= , >= ; Smaller than, Greater than, Smaller than or equal to, Greater than or equal to