Dental Services

NHS Dental Services

E Reporting Good Practice Guide

Building Reports: Creating a Variable

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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









The Variable Editor window is now open enabling the creation of a new variable . 🖉 Variable Editor Enter name you -Variable Definition 😚 Data | $f_{\mathbf{x}}$ Functions | 📴 Operators | wish to call the new variable 🖃 👍 Child FP17s Name: ------ Contract Health Body Code Contract Health Body Name Qualification: Dimension V Contract Number Qualification Name or Company Name lunknown Type: ------ Patient Adult or Child and Type will ----- Schedule Month (YYYYMM) change Date Range from Prompts -Formula: automatically Number of FP17s depending on X 🗸 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

Definition Type in the name for
Child FP17s example
"Child ED17c"
ation: Dimension
unknown
At this stage we need
to add a condition so
that the number of
 FP17s are only
er of FP17s] counted if the patient
is a child





$rac{1}{5}$ Data f_{x} Functions \Box Operators	Variable Definition
	Name: Child FP17s
	Qualification: 📑 Dimension
) * + <	Immediately after "Where" an open bracket needs to be placed
This is found in the list of operators, either double click or drag the "(" into the formula	
And Between Block	







$rac{1}{5}$ Data $f_{m{x}}$ Functions ${m{@}}$ Operators	(-Variable Definition
-	^	Name: Child FP17s
í (Qualification: 💿 Measure
) * + < <= <> = >		Type After "Patient Adult or Child" add ="Child" then a closed bracket Formula. Formula. =[Number of FP17s]Where([Patient Adult or Child]="Child")
The = sign can be found in the list of operators or can be typed in manually		When creating a variable any text, such as Child in the example above, must have inverted commas (").





data available and

report

can be added to the

Data Templates Map Properties	た 🎁 🗙 🗸 🖌			
Data P	I COLUCITY 2	~		
Child FP17s Contract Health Body Code Contract Health Body Name	Contract Number	Name or Company Name	Number of FP17s	Child FP17s
Contract Number Name or Company Name	XXXXXXXXX0001	Anon Name	170,669	49,647
Patient Adult or Child	XXXXXXX/0002	Anon Name	15,003	4,004
Child FP17s	xxxxxxxx00003	Anon Name	5,716	1,194
Date Mange from Prompts	XXXXXXX/0004	Anon Name	102	97
••••• Number of FP17s	XXXXXXXXX0006	Anon Name	12,753	2,418
	XXXXXXXX/0012	Anon Name	15,334	2,542
The variable will	XXXXXXXX/0015	Anon Name	106	8
now appear in the	XXX The ta	ble now show	s Total FP17s	and those

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

Variable Definition

To create Child FP17s as a % of Total FP17s we need to use the formula: =[Child FP17s]/[Number of FP17s]

The operator *I* is used when dividing

ryanabie beninici	лт <u> </u>
Name:	Child FP17s as a % of Total FP17s
Qualification:	Dimension
Туре:	unknown
Formula	
i ornala.	
× 🗸 🚽	
=[Child FP17s])	[Number of FP17s]
	L



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]



Data 🛛 🖓	1 001001 y 20	211			
Child FP17s	Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child FP17s as a % of Total FP17s
Contract Number Name or Company Name	XXXXXXXX0001	Anon Name	170,669	49,647	0.29
Patient Adult or Child Cabadula Maath (2020)	XXXXXXX/0002	Anon Name	15,003	4,004	0.27
 Schedule Month (****Mile 1 Step Child FP17s as a 	xxxxxxxx0003	Anon Name	5,716	1,194	0.21
 Child FP17s Child FP17s as a % of Tc 	XXXXXXX/0004	Anon Name	102	97	0.95
 Date Range from Prompt 	XXXXXXXX0006	Anon Name	12,753	2,418	0.19
Mumber 🖬 FP17s	XXXXXXXXX0012	Anon Name	15,334	2,542	0.17
	XXXXXXXXX0015	Anon Name	106	8	0.08
	XXXXXXXXX0019	Anon Name	293	215	0.73
The new % variable	e				

The new % variable can be added to the report

E

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



Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child Fl as a % Total Fl	017s 6 of 017s	
XXXXXXXV0001	Anon Name	170,669	49,647		0.29	
XXXXXXX0002	Anon Name	15,003	4,004		0.27	
XXXXXXX0003	Anon Name	5,716	1,194		0.21	
XXXXXXX/0004	Anon Name	102	97		Insert	
XXXXXXXV0006	Anon Name	12,753	2,418		Copy as	text
XXXXXXXV0012	Anon Name	15,334	2,542	Ø	Clear Ce	ell Contents
XXXXXXXV0015	Anon Name	106	8	×	Remove	
XXXXXXX/0019	Anon Name	293	215		Remove	Row

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





T T

🖉 Number For	mat			= 🔀
Format type: Default Number Currency Date/Time Boolean Custom	Properties: 1235; -1235 1235; (1235) 1234.57; -1234.57 1,235; -1,235 1,234.57; -1,234.57 123,456.70%; -123,49	56.70%		
Select Nun format you format with	Positive #,##0.00[%]% hber, then choose require, in this ca %	Negative the se the	Equal to Zero	Undefined
			ОК	Cancel Help
	Click be fo	c OK , then ormatted as	the number should a % in the table	

Contract Number	Name or Company Name	Number of FP17s	Child FP17s	Child FP17s as a % of Total FP17s
XXXXXXX/0001	Anon Name	170,669	49,647	29.09%
XXXXXX/0002	Anon Name	15,003	4,004	26.69%
XXXXXXX0003	Anon Name	5,716	1,194	20.89%
XXXXXXX/0004	Anon Name	102	97	95.10
XXXXXXX0006	Anon Name	12,753	2,418	18.96%
XXXXXXXX0012	Anon Name	15,334	2,542	16.58%
XXXXXXXV0015	Anon Name	106	8	7.55%
XXXXXX/0019	Anon Name	293	215	73.38%



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

I divide ; as shown in the Child FP17 example

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

