

ePACT2 user guide

Aggregating columns to SICBL or national level



Interactive Contents

Use this interactive contents list to jump straight to the content you want to see. Just click the titles below to go directly to that section:

Contents

Aggregating Columns

Getting more help

Aggregating Columns

It is possible to aggregate columns within ePACT2, this enables you to show different levels of data within the same report.

In the following example we will show how to aggregate data up to SICB level or National level.

For this you will need one of the following formulas, depending on the level you want to aggregate to:

SICB level formula:

AT "England Prescribing Organisations"."Prescribing Organisation"."Commissioner / Provider Level"

National level formula:

AT "England Prescribing Organisations"."Prescribing Organisation"."Country Level"

 Set up your analysis, in this example we are bringing the data back at practice level for NHS North East and North Cumbria ICB (13T00) and bringing back Items for BNF Chapter 5.

Selected Colum	ns				
Time Period	England Prescribing Organisat	tions	Reporting Fiel	ds	
Year Month 👸	Practice plus Code	ø	📒 Items 👩	Items 👩	🚦 Items 🙀
A Filters					
▼ Year Month is AND ▼ Commissione AND ▼ BNF Chapter	; equal to / is in 202303 r / Provider is equal to / is in NH plus Code is equal to / is in Infec	-IS NOF	RTH EAST AND (05)	NORTH CUMBF	RIA ICB - 13T - 1



You will notice we have included 3 items columns; this is because we are going to aggregate two of the columns, one to show SICBL items and the other to show National Items.

- 2. Select the Cog icon on a column you want to aggregate.
- 3. Select 'Edit formula'.

A Selected Columns									
			9						
Time Period	England Prescribing Organisatio	ns Reporting Fiel	ds						
Year Month 👸	Practice plus Code	🗴 🚦 Items 🙀	🚦 Items 🔅	📒 Items 🙀					
			ţ†	Sort 🕨					
			3 <i>f</i> x	Edit formula					
			ХУZ	Column Properties					
			To	Filter					
			×	Delete					
				Save Column As					

- 4. Ensure the 'Column Formula' is highlighted.
- 5. Select the 'Insert Function' icon.

Edit Column Forr	nula																		?	×
Column Formula	Bins																			
Fo	lder Heading	Repor	ting Fi	ields																
Colu	umn Heading	Items																		
		Cu:	stom I ntains	Heading HTML/	s JavaScrip	pt/CS	S Marku	p												
Aggregation Rule	(Totals Row)	Default	: (Sum)		•															
Available			Co	lumn Fo	ormula															
Subject Areas		O,		Reportin	g Fields"	."Iten	1 <mark>5"</mark> (4	2												
PACT 2 PACT 2 PACT 4 PACT 4 PACT 4 PACT 4 PACT 4 PACT 4	Period nisation / Appliance rting Fields nt	•	>	5 f()	Filter as an attr	r	Colu	mn 🔻	V	ariable	•	+	-	x	/	%] ()]]]	4
																		ок	Can	el

6. Select the drop-down arrow to open the 'Aggregate' folder.

Insert Fund	tion	?	×
Functions	 Functions Aggregate Running Aggregate String Math Calendar/Date Conversion 		
	System		•

7. Select 'Aggregate At' by double clicking the function icon.

Insert Fun	ction Ø	×
Functions	 Functions Aggregate [Aggregate At] Avg AvgDistinct Bin BottomN Count 	•
Selected	Aggregate At	
Syntax Where	AGGREGATE(measure AT level [, level1, levelN]) measure is the name of a measure column. level is the level at which you want to aggregate. You can optionally specify more than one level.	
Example	AGGREGATE(sales AT month, region)	
Description	This function aggregates columns based on the level or levels you specify.	

8. The column formula will now update as per the image below.

Column Formula

AGGREGATE("Reporting Fields"."Items" AT level [, level1, levelN])

9. Highlight the following in the column formula.





The part we have highlighted is the section of the formula the system will look at to decide what level the column will be aggregated to.

10. Depending on the level you want to aggregate the column to and whether you are using HS England or England prescribing organisation columns, copy either the SICB level formula or the National level formula from below:

HS England Prescribing Organisations SICB level formula:

AT "HS England Prescribing Organisations"."Prescribing Organisation"."Commissioner / Provider Level")



England Prescribing Organisation SICB level formula:

AT "England Prescribing Organisations"."Prescribing Organisation"."Commissioner / Provider Level")



England Prescribing Organisations National level formula:

AT "England Prescribing Organisations"."Prescribing Organisation"."Country Level")

HS England Prescribing Organisations National level formula:

AT "HS England Prescribing Organisations"."Prescribing Organisation"."Country Level")

11. Paste the copied formula into the highlighted section of the column formula pane, the formula in your column should now look similar to the example below:

Column Formula

AGGREGATE("Reporting Fields"."Items" <mark>AT "HS England Prescribing <u>Organisations</u>"."Prescribing <u>Organisation</u>"."Commissioner / Provider Level")</mark>



The column is now saying aggregate 'Items' to 'Commissioner / Provider Level'.

12. Select the 'Customer Headings' check box to enable you to give the column an appropriate name.

Column Formula	Bins	
Fo	lder Heading	Reporting Fields
Colu	umn Heading	Items
		Custom Headings

13. Name the column using the 'Column Heading' box.

Column Formula	Bins	
Fo	lder Heading	Reporting Fields
Colu	ımn Heading	Comm / Provider Item 13
		Custom Headings

14. Select 'OK' to create your new column.

Edit Column Formula		0	×
Column Formula Bins			
Folder Heading Column Heading	Reporting Fields Comm / Provider Item Custom Headings Contains HTML/JavaScript/CSS Markup		
Aggregation Rule (Totals Row)	Default (Sum)		
Available	Column Formula		
Subject Areas	AGGREGATE("Reporting Fields"."Items" AT "HS England Prescribing <u>Organisations</u> "."Prescribing Organisation"."Commissioner / Provider Level")		
 Image: PACT 2 Image: Time Period Image: Organisation Image: Organisation Image: Drug / Appliance Image: Reporting Fields Image: Patient 	f() Filter Column ▼ Variable ▼ + - x / % (Treat as an attribute column) []]	"
	1	K Can	cel

15. Once you have completed your aggregated columns select 'Results' to generate your report.



16. Your report will look similar to the example below:

Table			[A]	1972 💉 🗙
Year Month	Practice plus Code	Items	Comm / Provider Item	Country Items
202303	ADM/ADM/ADM/NO	112	32,481	3,917,617
202303	BADDY KIN HERCH, CHINE PUBLIC	316	32,481	3,917,617
202303	INVESTIGATION AND ADDRESS	654	32,481	3,917,617
202303	CONTRACTOR AND ADDRESS	250	32,481	3,917,617
202303	IS TO ADRESS MELCING COUP MANAGES	857	32,481	3,917,617
202303	IENO KOD LAUPA DEGLA	415	32,481	3,917,617
202303	INCLUSION INCOMENDATION	597	32,481	3,917,617
202303	ONLINE CONTRACTOR	783	32,481	3,917,617
202303	encountries provide	296	32,481	3,917,617
202303	reaction of the second second second second	553	32,481	3,917,617
202303	CONTRACTOR A DECEMBER OF A	605	32,481	3,917,617
202303	contrast contrast resources and incomparisons	150	32,481	3,917,617
202303	Characterization and the Control (Activity)	1,122	32,481	3,917,617

Getting more help



Additional training material and user guides

The ePACT2 training team has developed several how to guides to help you get the best out of ePACT2. These can be found on our <u>ePACT2 user guides page</u>

Webinar sessions

We offer a free webinar training service to all our users and you can book as many sessions as you need.

Our webinar sessions are booked as 1hour slots and we offer a number of different sessions covering a range of topics.

We also offer bespoke sessions which are delivered just to you or your invited colleagues. You can let us know if you have any specific topics or reports you'd like to cover or if you would prefer an introductory tour of the system.

Our experienced trainers deliver these sessions using MS Teams and you can take part wherever you are as long as you can get online.

You can find our more and book your webinar by going to our ePACT2 training page