

## Tutorial 5: Business cases – Readmissions

**Scenario:** I must include readmission rates in my business case for COAD service redesign...

Welcome to the A-HED series of video tutorials.

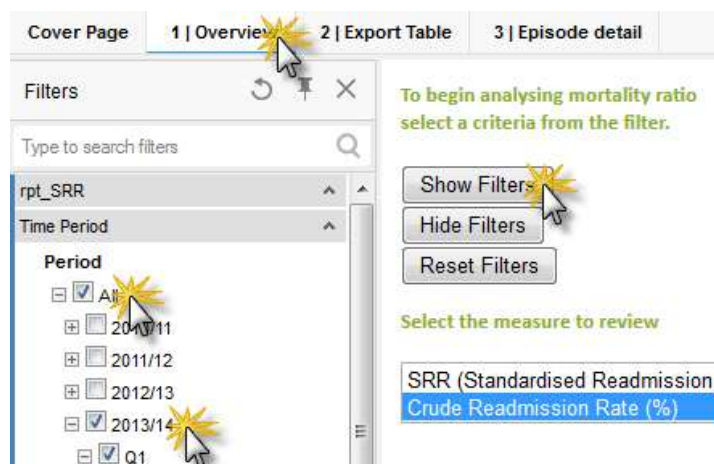
In this tutorial, we'll be exploring readmission rates for Chronic Obstructive Airway Disease (COAD) post service redesign.

First up I need to find the correct report to drill in to. In the modules tab, select “Clinical Quality” then the module: “1.2 Emergency Readmissions (28 days)”.



This will open on the cover page which explains what criteria have been used to identify readmissions and other related information. As usual, I'm going to go to the first tab “Overview”. Then I reveal the filters by hitting “Show filters”.

First up, I'm going to select a time period which shows data pre and post service redesign. I'll use the last financial year in this example by de-selecting all then selecting 2013/14.



## A-HED Tutorial 5: Business cases – Readmissions

Next I'm going to the DRG filter. You can use the DRG code if you know it, however, in this instance I'm going to type in "Chronic Ob" which is sufficient to bring up the 2 DRGs relating to COAD. Then I'll select both DRGs by holding down my control key as I click on each one.

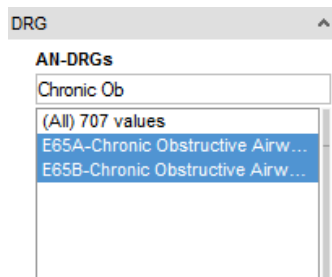
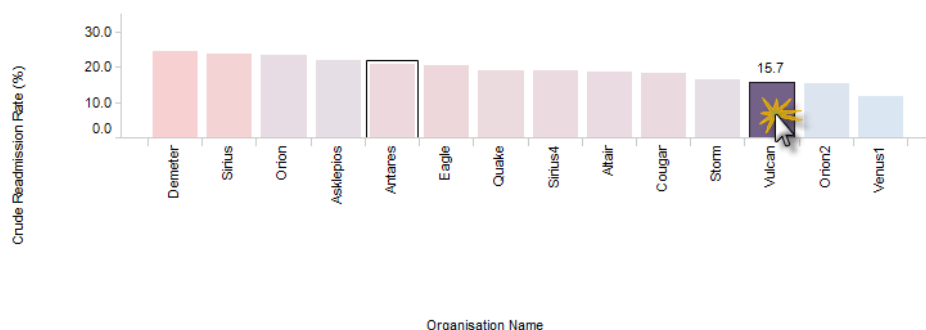
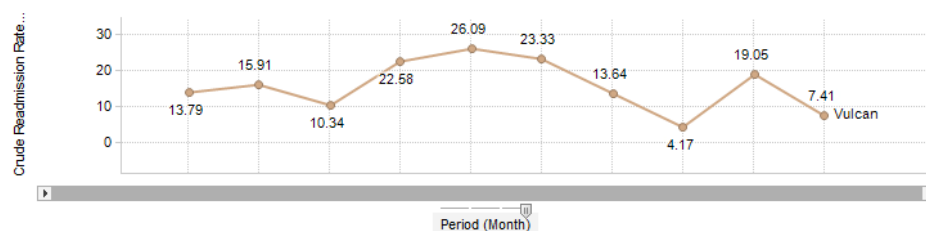


Figure 1 now shows the crude readmission rate compared to other hospitals. I'm going to highlight one hospital (Vulcan in this example) which will populate the time series graph, Figure 2.

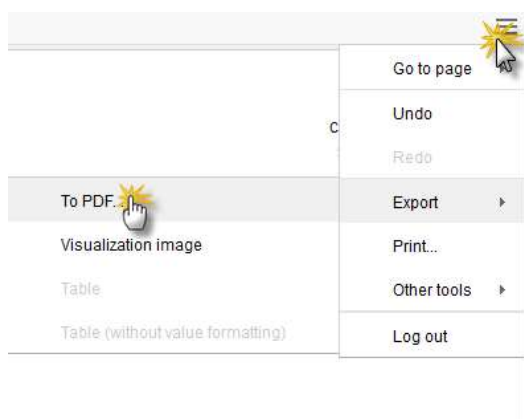
**Figure 1: Overview | Crude Readmission Rate (%)**



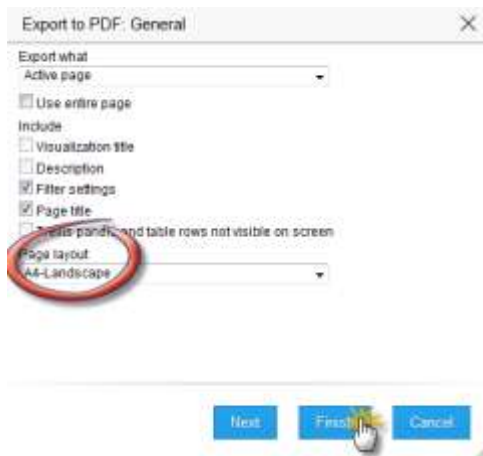
**Figure 2: Time Series**



This allows me to see the readmission rate pre and post service redesign. To print or export this information to PDF, click on the three line menu bar in the top right hand corner, select Export to PDF.

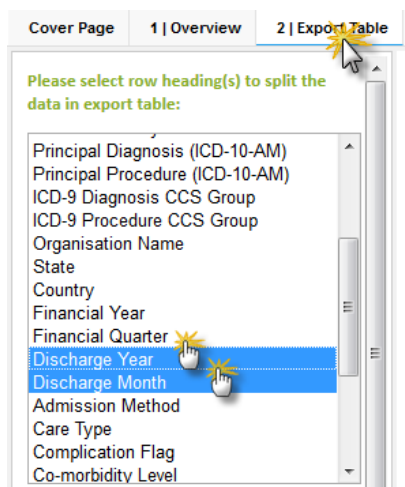


Change page layout to landscape and hit finish. Please note: pop-ups must be enabled.



For a data table, highlight time series by swiping over the entire period, then select Tab 2 – “Export Table”.

I get to choose the row and column headings. In this example I’m going to choose “Discharge Year” as the row heading and then holding down the control key, click on “Discharge Month”. I can now see how the rate has changed month to month.



To see the episode-level details for the readmissions, which can only be done for your own organisation, click on the row of interest. Then move to tab 3, “Episode Detail”.

3 | Episode detail

Table 1: Export Table

AS (Column Names)

Discharge Year	Discharge Month	No. of Episodes	AS No. of Readmissions	Crude Readmission
2013	Jul	29	4	0.14
	Aug	44	7	0.16
	Sep	29	3	0.10
	Oct	31	7	0.23
	Nov	23	6	0.26
	Dec	30	7	0.23
2014	Jan	22	3	0.14
	Feb	24	1	0.04
	Mar	21	4	0.19
	Apr	27	2	0.07

## A-HED Tutorial 5: Business cases – Readmissions

This allows you to see the patient identifier and details relating to the original episode in white, and quickly compare to details from the readmission episode in yellow; plus see who many days between the original and discharge episode.

[Cover Page](#) | [1 | Overview](#) | [2 | Export Table](#) | [3 | Episode detail](#)

**Episode detail**

No...	Comorbidity Level	Discharge Destination	Discharge Department	Clinical Service Group	Principal Diagnosis (ICD-10-AM)	Princi... Proc... (ICD-10-AM)	AN-DRG	Episode ID (Readmission)	Days bet... (Days)	Admission Date	Separation Date/readm...	Clinical Services Group	ICD-10-AM Diagnosis (readmission)	ICD-10-AM Procedure (readmission)
3	Other, includ...	Medical Unit 4	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65B-C...	24165RMH674...	12	9/1/2013 12:00...	9/13/2013 12:00...	14-Immunology	R509-Fever u...	9555005-Allie...
4	Other, includ...	Respiratory Unit	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65A-C...	24165RMH137...	9	8/30/2013 12:00...	9/13/2013 12:00...	28-Respiratory	J44-Respiratory	9555003-Allie...
4	Other, includ...	Respiratory Unit	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65A-C...	24165RMH204...	10	9/9/2013 12:00...	9/13/2013 12:00...	28-Respiratory	J44-Respiratory	9555003-Allie...
3	Other, includ...	Medical Unit 3	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65B-C...	24165RMH561...	3	8/29/2013 12:00...	8/30/2013 12:00...	6-General Med...	T383-Insulin an...	9555009-Allie...
3	Other, includ...	Respiratory Unit	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65B-C...	24165RMH237...	18	9/3/2013 12:00...	9/11/2013 12:00...	28-Respiratory	J44-Respiratory	9555002-AH in...
3	Other, includ...	Medical Unit 3	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65B-C...	24165RMH875...	25	9/2/2013 12:00...	9/27/2013 12:00...	28-Respiratory	J44-Respiratory	9555002-AH in...
4	Other, includ...	Respiratory Unit	28-Respiratory	J44-Respiratory	J44-Respiratory	9555	E65A-C...	24165RMH898...	19	9/12/2013 12:00...	9/13/2013 12:00...	28-Respiratory	R060-Dyspnoea	9555003-Allie...

To see full information on any of the cells, simply hover your mouse over the top – for instance: original episode diagnosis and readmission diagnosis.

Principal Diagnosis	Princi... Proc...	AN-DRG	Episode ID (Readmission)	Days bet...	Admission Date
<b>(ICD- J440-Chronic obstructive pulmonary disease with acute lower respiratory infection)</b>					
J440-Chronic o...	95550...	E65B-C...	24165RMH674...	12	9/1/2013 12:00...
J440-Chronic o...	92209...	E65A-C...	24165RMH137...	9	8/30/2013 12:00...
J441-Chronic o...	95550...	E65A-C...	24165RMH204...	10	9/9/2013 12:00...
J440-Chronic o...	95550...	E65B-C...	24165RMH561...	3	8/29/2013 12:00...
J440-Chronic o...	92209...	E65B-C...	24165RMH237...	18	9/3/2013 12:00...
J440-Chronic o...	95550...	E65B-C...	24165RMH875...	25	9/2/2013 12:00...
J440-Chronic o...	92209...	E65A-C...	24165RMH898...	19	9/12/2013 12:00...

ICD-10-AM Diagnosis (readmissi...	ICD-10-AM Procedure	AN-DRG (readmission)
R509-Fever, u...	R509-Fever, un...	T62A-Fever of...
R509-Fever, u...	9555005-Allie...	T62A-Fever of...
J441-Chronic o...	9555003-Allie...	E65B-Chronic ...
J440-Chronic o...	9555003-Allie...	E65B-Chronic ...
T383-Insulin an...	9555009-Allie...	X62A-Poisonin...
J440-Chronic o...	9220900-Mana...	E65B-Chronic ...
J440-Chronic o...	9555002-AH in...	E65B-Chronic ...
R060-Dyspnoea	9555003-Allie...	E67B-Respirat...

To download this information to excel, simply right-click your mouse anywhere on the table and select “Export table”.

Clinical Services Group	ICD-10-AM Diagnosis (readmissi...	ICD-10-AM Procedure (readmission)	AN-DRG (readmission)
14-Immunology	R509-Fever u...	9555005-Allie...	T62A-Fever of...
28-Respiratory...	J44-Respiratory	9555003-Allie...	E65B-Chronic ...
28-Respiratory...	J44-Respiratory	9555003-Allie...	E65B-Chronic ...
9-General Medi...	T383-Insulin an...	9555009-Allie...	X62A-Poisonin...
28-Respiratory...	J44-Respiratory	9220900-Mana...	E65B-Chronic ...
28-Respiratory...	J44-Respiratory	9555002-AH in...	E65B-Chronic ...
28-Respiratory...	R060-Dyspnoea	9555003-Allie...	E67B-Respirat...

Export visualization image  
 Export table  
 Export table (without value formatting)

Please have look at the other tutorials for more information on using A-HED, including how to drill into other reports for various scenarios.