



# CRStar Insights

## Cross Tab – Recurrence Type

Cross Tab reports are ideal for comparing two data variables from a pre-selected population. In this Insight, we look at creating a Cross Tab report by recurrence type utilizing the XTab reporting function in CRStar.

This example reveals all breast, lung, and colon cases with an Accession Year of 2013 and 2014 that do not have a blank recurrence type.

Population Label: Breast, Lung, and Colon cases 2013-2014 ▼

New Label:

Hospitals:

Requested By: Jonathan Rakestraw

Analytic Cases Only

Complete Cases Only

Abstract/Suspense Cases

Abstract Cases Only

Suspense Cases Only

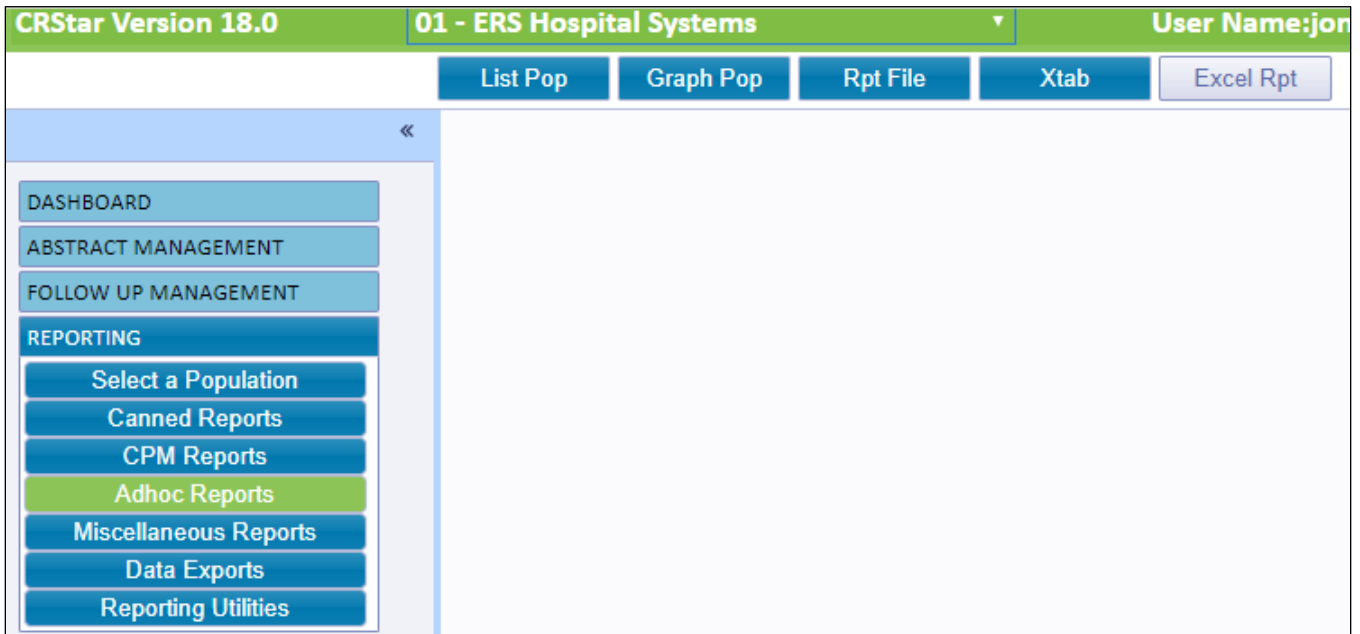
All Cases

Site Codes	
Site	Site Description
1 50	BREAST
2 34	BRONCHUS & LUNG
3 18	COLON

+ ×

Selection Criteria					
	Item Nbr	Item Description	Relation	Data Values	Logic
1	151	Accession Year	>=	2013	And
2	151	Accession Year	<=	2014	And
3	1528	First Recurrence Type	<>		And

Click the Reporting Tab on the left side of the screen, then click Ad hoc Reports. The XTab button appears at the top of the screen:



At this point, find the population previously selected by using the dropdown for the Population Label:

This is a screenshot of the 'Generate Cross Tabulation Report' form. The title bar is blue and contains the text 'Generate Cross Tabulation Report'. Below the title bar, there are two dropdown menus. The first is labeled 'Population Label:' and has 'Breast, Lung, and Colon cases 2013-2014' selected. The second is labeled 'Report Label:' and is currently empty. To the right of these fields, there is a section titled 'Send Report To:' with two radio button options: 'Excel' and 'Screen'. The 'Screen' option is selected.

Enter a name for this Cross Tab report in the Report Label. For this example, the label Recur Type has been entered:

This is a second screenshot of the 'Generate Cross Tabulation Report' form, identical to the previous one but with the 'Report Label:' dropdown menu now containing the text 'Recur Type'. The 'Population Label:' dropdown remains 'Breast, Lung, and Colon cases 2013-2014' and the 'Send Report To:' options are still 'Excel' and 'Screen', with 'Screen' selected.

For a Cross Tab report, two field codes are entered as variables. The first variable displays in rows, while the second displays in columns, allowing comparison by code. In this example, Recurrence Type is displayed for the sites breast, lung, and colon.

For the Row settings, the Heading “Recurrence by Type by Site” is entered, and field 117, Site Code has been entered in the variable field. For this report, the display is selected to show the description of the Site Codes, with no limit set on values.

**Row**

Heading: Recurrence by Type by Site

Variable: 117 Site Code

Display As:  Codes  Descriptions

Limit Values:

	Values	Descriptions
1		
2		
3		
4		

For the column variable, field 163, Recurrence Type is selected. The display is set to show descriptions, and values have been limited to the first 4 codes that appear in the recurrence type dropdown (if no number is entered in limit values, each code would be displayed in the report). When using limit values, the remaining codes are counted in the “All Others” column.

**Column**

Variable: 163 Recurrence Type

Display As:  Codes  Descriptions

Limit Values: 4

	Dep Values	Dep Descriptions
1		
2		
3		
4		

After selecting run, the report is displayed on Screen as the Screen radio button was selected:

October 20th, 2020  
 Cross Tabulation of Site Code by Recurrence Type for Breast, Lung, and Colon cases 2013-2014

Recurrence by Type by Site	Never Disease Free		None, Disease Free		Unknown If Recurred		Distant		All Others		Total Values	
	Number	(%)	Number	(%)	Number	(%)	Number	(%)	Number	(%)	Number	(%)
Bronchus & Lung	246	(65.78 %)	51	(13.64 %)	52	(13.9 %)	18	(4.81 %)	7	(1.87 %)	374	(48.51 %)
Breast	99	(43.04 %)	85	(36.96 %)	23	(10 %)	11	(4.78 %)	12	(5.22 %)	230	(29.83 %)
Colon	68	(40.72 %)	62	(37.13 %)	14	(8.38 %)	20	(11.98 %)	3	(1.8 %)	167	(21.66 %)
Any Others	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)
Overall Totals	413	(53.57 %)	198	(25.68 %)	89	(11.54 %)	49	(6.36 %)	22	(2.85 %)	771	(100 %)

This report can then be printed, saved as a pdf, or downloaded into Excel. A screen snip can be taken and pasted into PowerPoint, etc.

Cross Tab reports allow the user to group multiple codes into a single description. In the example below, all the local recurrence codes are grouped into the description "Local Recurrence" and all the distant metastatic codes are grouped into "Distant Recurrence":

**Column**

Variable:

Display As:  Codes  Descriptions Limit Values:

	Dep Values	Dep Descriptions	
1	<input type="text" value="00"/>	<input type="text" value="None, Disease Free"/>	
2	<input type="text" value="70"/>	<input type="text" value="Never Disease Free"/>	
3	<input type="text" value="04-36"/>	<input type="text" value="Local Recurrence"/>	
4	<input type="text" value="40-62"/>	<input type="text" value="Distant Recurrence"/>	

Codes can also be entered with commas separating the values to select only specific codes, instead of a range of codes (ensure there are no spaces between commas and the preceding and proceeding values):

**Column**

Variable:  Recurrence Type

Display As:  Codes Limit Values:   
 Descriptions

	Dep Values	Dep Descriptions
1	<input type="text" value="00"/>	None, Disease Free
2	<input type="text" value="70"/>	Never Disease Free
3	<input type="text" value="04,06,10,13,14,15,16,17,20"/>	Local Recurrence
4	<input type="text" value="40,46,51,52,54,55,56,57,58"/>	Distant Recurrence

Note that the groupings appear at the bottom of the report to explain which range of codes or individual codes belong to which grouping.

October 20th, 2020

Cross Tabulation of Site Code by Recurrence Type for Breast, Lung, and Colon cases 2013-2014

Recurrence by Type by Site	None, Disease Free		Never Disease Free		Local Recurrence		Distant Recurrence		All Others		Total Values	
	Number	(%)	Number	(%)	Number	(%)	Number	(%)	Number	(%)	Number	(%)
Bronchus & Lung	51	(13.64 %)	246	(65.78 %)	5	(1.34 %)	19	(5.08 %)	53	(14.17 %)	374	(48.51 %)
Breast	85	(36.96 %)	99	(43.04 %)	7	(3.04 %)	12	(5.22 %)	27	(11.74 %)	230	(29.83 %)
Colon	62	(37.13 %)	68	(40.72 %)	3	(1.8 %)	20	(11.98 %)	14	(8.38 %)	167	(21.66 %)
Any Others	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)	0	(0 %)
<b>Overall Totals</b>	<b>198</b>	<b>(25.68 %)</b>	<b>413</b>	<b>(53.57 %)</b>	<b>15</b>	<b>(1.95 %)</b>	<b>51</b>	<b>(6.61 %)</b>	<b>94</b>	<b>(12.19 %)</b>	<b>771</b>	<b>(100 %)</b>

Dependant Variables:

- None, Disease Free is Recurrence Type 00
- Never Disease Free is Recurrence Type 70
- Local Recurrence is Recurrence Type 04-36
- Distant Recurrence is Recurrence Type 40-62

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