
Digital Innovation Users Conference

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Report Jobs



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The logo for Digital Innovation Incorporated features a stylized, light blue and grey graphic above the company name. The graphic consists of a large, rounded shape with a smaller circle inside, resembling a stylized 'D' or a globe. Below the graphic, the words "digital innovation" are written in a lowercase, sans-serif font, with "digital" on the top line and "innovation" on the bottom line. Underneath "innovation", the word "incorporated" is written in a smaller, all-caps, sans-serif font.

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Report Jobs

Overview

This course introduces the DI Report Writer tool "Report Jobs" as well presents the advantages of and instructions for using the feature.

Course Objectives

- Describe the advantage of using the Report Jobs tool
- Create a Report Job

Prerequisites

Knowledge of basic DI Report Writer tools and of the reporting steps presented in the Report Writing Concepts classes are preferred prerequisites.

Combining Reports, Queries, and Gathers

Reports, Queries, and Gathers can be combined within the Run Report screen. Depending on the output desired, two and sometimes all three of these tools need to be combined.

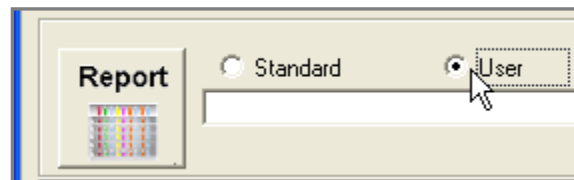
Under Triage Statistics by Year/Month of Arrival

In order to trend the Under Triage patients over multiple years separated by month is an example requiring the combination of the tools. To get the results for this request, the following Vocabulary is needed:

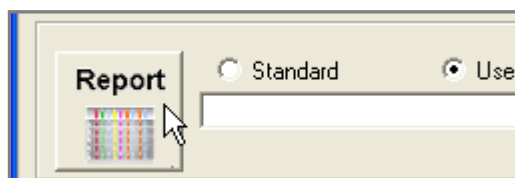
- Report – UNDER_TRIAGE_CNT (Created in Statistics Count class)
- Query – None (In this example all queries are defined in the Report)
- Gather – ARRIVAL_YEAR_MONTH (Created in Multi-Level Gather class)

To run these previously defined Vocabulary objects together, set up the run report screen with both objects.

1. Select <Run Report>.
2. Select <User> Radio Button.



3. Select <Report> button.





4. Select the UNDER_TRIAGE_CNT report.

User Report Manager		
Name	Description	Type
ISS_OVER_UNDER	DI-Over/Under - <=15,>15	Statistics
PNEUMONIA_CNT_PCT	DI-VAP - # % Pneumo vs Non	Statistics
SHIFT2_VS_ED_LOS	DI-ED Dwell Tm-7a-7p vs EDL	Statistics
UNDER_TRIAGE_CNT	DI-Over/Under-Under Triage	Statistics
VENT_DAY_RNG_CNT_PCT	DI-VAP - 1,2,3,4-6,7-10,>10	Statistics

5. Select the <Gather> button and add the ARRIVAL_YEAR_MONTH gather.

Gather Manager			
Name	Description	Type	
ARRIVAL_YEAR	DI-VAP - Year of Pt Arrival	Spec	+ Add
ARRIVAL_YEAR_MONTH	DI-All Scenarios	Spec	✎ Edit
BY_ADM_DOW	By Admit DOW	Spec	🔍 View
BY_ADM_DOW_T	By Admit DOW w/Ttl	Spec	🗑 Delete

6. Select <Run> button, select the date range and Click OK.

Run Report

DI Report Writer

Report

 Standard
 User

UNDER_TRIAGE_CNT

Query
For:

Gather
Grouped By:

ARRIVAL_YEAR_MONTH

Output

Screen
 Printer
 File

Output Printer Codes

Report Options

DI Report Writer Statistics Report				
Generated 09/23/2013				
Arrival Dates 01/01/2011 - 12/31/2012				
Query EVERYONE				
Number of Records 858				
# Pneumo	# Non-Pne	% Pneumo	% Non-Pne	Total
23	835	2.681	97.319	858



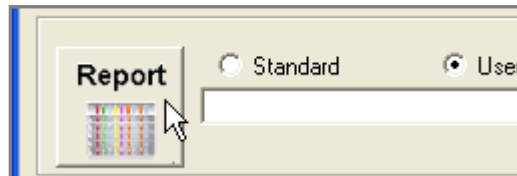
Count and Percent of Pneumonia for Pts on Vent by Year/Month of Arrival

In order to trend Pneumonia for Vent patients, a combination of the following is needed:

1. Report – PNEUMONIA_CNT_PCT (Created in Statistics Percent class)
2. Query – VENT_DAYS_VALUED (Created in Queries Concept class)
3. Gather – ARRIVAL_YEAR_MONTH (Created in Multi-Level Gather class)

To run these previously defined Vocabulary objects together, I will need to set up the run report screen with both objects.

1. Select <Run Report>.
2. Select <User> Radio Button.
3. Select <Report> button.



4. Double Click PNEUMONIA_CNT_PCT.
5. Select <Query> button and double click VENT_DAYS_VALUED
6. Select <Gather> button and double click ARRIVAL_YEAR_MONTH
7. Select <Run> button, select the date range and Click OK.
8. Review the output.

Name	Description	Type
ISS_OVER_UNDER	DI-Over/Under - <=15,>15	Statistics
PNEUMONIA_CNT_PCT	DI-VAP - # % Pneumo vs Non	Statistics
SHIFT2_VS_ED_LOS	DI-ED Dwell Tm-7a-7p vs EDL	Statistics
UNDER_TRAIGE_CNT	DI-Over/Under-Under Triage	Statistics
VENT_DAY_RNG_CNT_PCT	DI-VAP - 1,2-3,4-6,7-10,>10	Statistics

DI Report Writer Statistics Report						
Generated 09/23/2013						
Arrival Dates 01/01/2011 - 12/31/2012						
Query VENT_DAYS_VALUED						
Gather ARRIVAL_YEAR_MONTH (DI-All Scenarios)						
Year of Ar	Month of	# Pneumo	# Non-Pne	% Pneumc	% Non-Pne	Total
2011	January	0	26	0	100	26
2011	February	1	33	2.941	97.059	34
2011	March	1	35	2.778	97.222	36
2011	April	1	38	2.564	97.436	39
2011	May	1	44	2.222	97.778	45
2011	June	1	40	2.439	97.561	41
2011	July	3	43	6.522	93.478	46
2011	August	2	26	7.143	92.857	28
2011	September	1	32	3.03	96.97	33
2011	October	1	37	2.632	97.368	38
2011	November	1	35	2.778	97.222	36
2011	December	0	26	0	100	26
2011	TOTAL	13	415	3.037	96.963	428
2012	January	0	1	0	100	1
2012	March	0	2	0	100	2
2012	April	1	3	25	75	4
2012	May	0	2	0	100	2
2012	June	0	3	0	100	3
2012	July	1	4	20	80	5
2012	August	0	1	0	100	1
2012	September	0	3	0	100	3
2012	October	2	9	18.182	81.818	11
2012	November	1	5	16.667	83.333	6
2012	December	1	0	100	0	1
2012	TOTAL	6	33	15.385	84.615	39



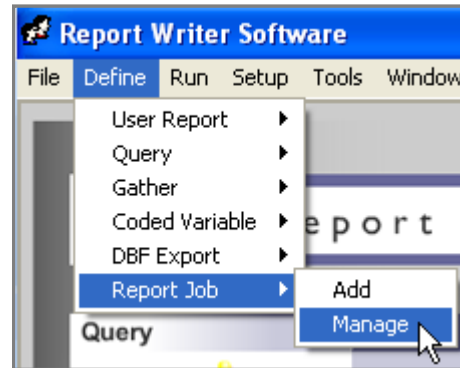
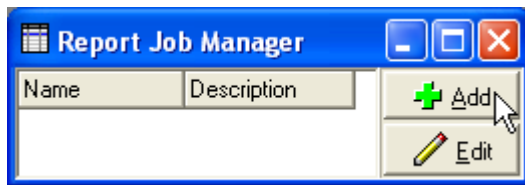
The processes described previously can be repeated for each time the report is needed. However, creating a report job would greatly simplify the process.

Report Job Definition & Use

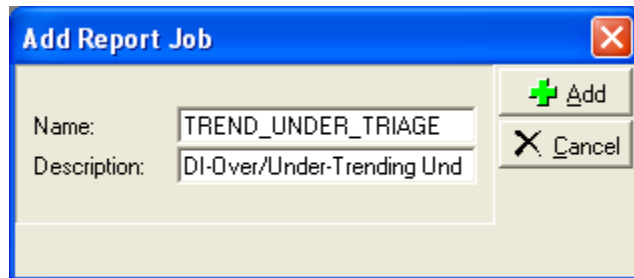
Normally in RW, the processes of combining a Report, Query and/or Gather together to get specific output, requires separately selecting and adding elements to the Run Report screen. A Report Job is a RW tool used to define a Run Report screen. Using any combination of Report, Query and/or Gather together, the definition can be used as a single object. Report Jobs are stored in a separate manager allowing names to match specific requests. The Report, Query and/or Gather combinations that will be used in a Report Job should be created before defining a Report Job.

Trend Under-Triage by Year/Month of Arrival

1. Select Report Jobs/Manage under the <Define> menu found at the top left corner of RW. Report Jobs has its own Manager. This provides a great way to organize and to quickly find and run report requests.
2. Select <Add> button.

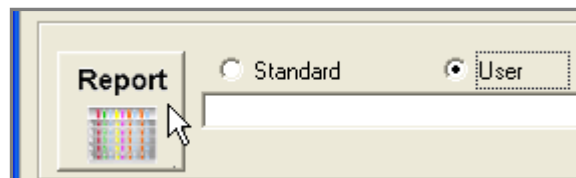


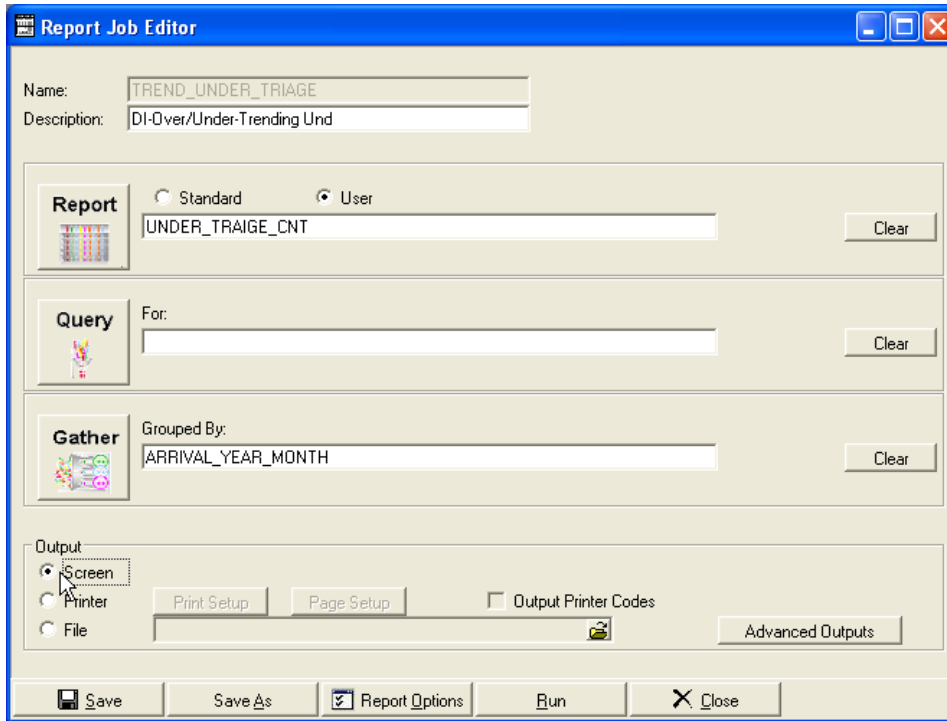
3. Enter a Name and Description for the Report Job. Jobs are listed alphabetically. Since it is anticipated that multiple types of trending report jobs will be added, start the name with TREND and then be more specific.
4. Select <User> from the Report Job Editor screen.
5. Select <Report> and choose a report to run in the job: UNDER_TRIAGE_CNT.
6. Select <Gather> and Double Click ARRIVAL_YEAR_MONTH.
7. Select Output to <Screen>



The Output in Report Jobs does not have a default; therefore an Output option must be made. UNDER_TRIAGE_CNT is defined to go to Excel and expects an Output of <Screen>.

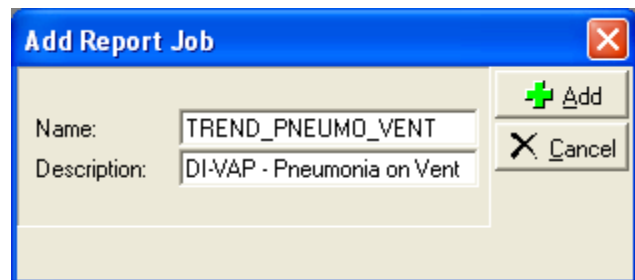
8. Select <Save>, then <Close> or <Run>.



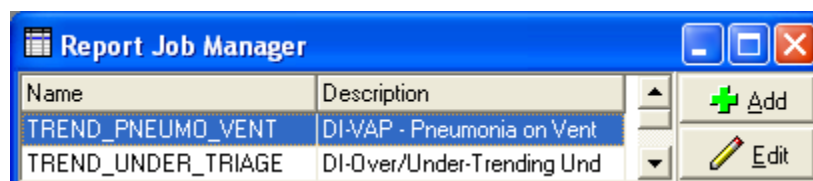


Trend Pneumonia for Patients on Vent by Year/Month of Arrival

1. Select Report Jobs/Add under the <Define> menu found at the top left corner of the Report Writer.
2. Enter a Name and Description for the Report Job. The purpose of the Job is to report Pneumonia on Vent Trending – start the name with TREND because the multiple trending report jobs will be listed together on the Report Jobs Manager.
3. Select <User>.
4. Select <Report> and double click PNEUMONIA_CNT_PCT.
5. Select <Query> and double click VENT_DAYS_VALUED.
6. Select <Gather> and double click ARRIVAL_YEAR_MONTH.
7. Select Output to Screen. Note, if this step is forgotten, the error “Must specify output type,” will show up when attempting to run. Just edit the Report Job and specify the Output.
8. Select <Save>, then <Close> or <Run>.



Right now there are only 2 Report Jobs, but the names will allow Report Jobs to be grouped together. These two start with TREND. When it is time to run all the TREND reports, search for TREND and run and run. This could help with a group of monthly or, quarterly reports or any other group of reports needed over and over again.





Output when tools run separately.

DI Report Writer Statistics Report	
Generated 09/23/2013	
Query EVERYONE	
Gather ARRIVAL_YEAR_MONTH (DI-All Scenarios)	
Number of Records 26	
Year of Arrival: 2011	
Month of Arrival: January	
Statistics Report	
Statistics	

Limited Activation	21
Limited Activation with ICU Stay	1
Limited Act w ICU Stay and ISS>15	1
Limited Act w ED Disp = OR	3
Limited Act Death	0
DI Report Writer Statistics Report	
Generated 09/23/2013	
Query EVERYONE	
Gather ARRIVAL_YEAR_MONTH (DI-All Scenarios)	
Number of Records 35	
Year of Arrival: 2011	
Month of Arrival: February	
Statistics Report	
Statistics	

Limited Activation	32
Limited Activation with ICU Stay	4
Limited Act w ICU Stay and ISS>15	2
Limited Act w ED Disp = OR	0
Limited Act Death	0

Output using Report Job.

DI Report Writer Statistics Report	
Generated 09/23/2013	
Query EVERYONE	
Gather ARRIVAL_YEAR_MONTH (DI-All Scenarios)	
Number of Records 26	
Year of Arrival: 2011	
Month of Arrival: January	
Statistics Report	
Statistics	

Limited Activation	21
Limited Activation with ICU Stay	1
Limited Act w ICU Stay and ISS>15	1
Limited Act w ED Disp = OR	3
Limited Act Death	0
DI Report Writer Statistics Report	
Generated 09/23/2013	
Query EVERYONE	
Gather ARRIVAL_YEAR_MONTH (DI-All Scenarios)	
Number of Records 35	
Year of Arrival: 2011	
Month of Arrival: February	
Statistics Report	
Statistics	

Limited Activation	32
Limited Activation with ICU Stay	4
Limited Act w ICU Stay and ISS>15	2
Limited Act w ED Disp = OR	0
Limited Act Death	0



Practices Exercises

1. On a monthly basis, a report listing all cases that are severely injured patients who are under triaged needs to be provided to the trauma coordinator for the monthly Trauma Committee review meeting.
 - a. Create a data table report listing out the following information for each patient:
 - i. Trauma number
 - ii. Patient Name
 - iii. Arrival Date and Time
 - iv. ISS
 - b. Create a query to select severely injured patients
 - c. Use the query and report created to create a report job that will run the query with the report that can be used each month to generate.

2. Your hospital administration would like to monitor the ED LOS for severe trauma patients who are under triaged monthly.
 - a. What report would give a breakdown of ED LOS?
 - b. Use the query from exercise 1 and the identified report to create a report job that can be used each month to generate a report for your hospital administration as requested.

3. Your trauma program is monitoring vent days for all patients and also patients that develop pneumonia. A quarterly summary report indicating the number of cases with different vent ranges (0 days, 1-5 days, etc.) is desired.
 - a. Create a query for selecting pneumonia patients.
 - b. Create a coded variable for vent day ranges. The desired ranges are as follows:
 - i. 0 days
 - ii. 1-5 days
 - iii. 6-13 days
 - iv. 14 or more days
 - c. Create a statistical report in tabular output that counts all patients and all pneumonia patients.
 - d. Create a gather that breaks down the statistical report by vent days ranges.
 - e. Use the constructed gather and statistical report to create a report job that can be used each quarter to generate results as requested.