



WISCONSIN DEPARTMENT
of HEALTH SERVICES

How to Create Reports in Patient Registry

Wisconsin Department of Health Services
Division of Public Health
Office of Preparedness and Emergency Health Care
(10/2026)

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This document is an overview of the creation of reports within ImageTrend's Patient Registry, the trauma registry for the Wisconsin Trauma Care System (WTCS), providing guidance for users of Patient Registry to improve their understanding of the site. If you have a question, email DHSTrauma@dhs.wisconsin.gov.

Transactional reports

Total entered into the trauma registry

This report is designed to produce the total incidents entered into the trauma registry in a given period of time for specific hospitals.

In Report Writer in Patient Registry, select **Hospital Incidents** to create a transactional report.



Create a Transactional Report

Facility: **Facilities, Users**

Trauma: **Hospital Incidents**

In the **Columns** tab, data elements in the selected box are columns in the final report. Once data elements selection is complete, either select the **Continue** button or the **Display** tab following the **Columns** tab.

Columns: Total Entered into Trauma Registry

Select Columns

Available

- Account Number (TR1.27)
- Activation Level Was Changed Date (TR17.78.1)
- Activation Level Was Changed Time (TR17.78.1.1)
- Activation Level Was Changed Time (TR17.78.1.1)
- Activation Level Was Changed Time (TR17.78.1.1)
- Activity At Injury (TR5.2)
- Admission Added By
- Admission Date
- Admission Description
- Admission ICD9
- Additional AIS 15 Code (TR201.0)
- Additional AIS 15 Description (TR201.0)
- Additional AIS 15 Code (TR201.0)
- Additional AIS 15 Description (TR201.0)
- Additional AIS Code (TR201.0)
- Additional AIS Description (TR201.0)
- Additional AIS Region

Selected

- Incident Number (TR12)
- Patient Medical Record Number (TR12)
- ED-Hospital Admission Date (TR18.55)
- Age Range
- ISS Score Range
- ISS Calculated (TR21.6)

Create Columns...

Make Report Distinct: ☐ Yes ☒ No

Makes this report only return DISTINCT rows

Continue

In the **Display** tab, incident numbers can be linked to the relevant incident. Select the **Incident** option in the drop down menu in the column display section. When the link is selected, a separate tab opens to the relevant incident. This allows for reviews and edits of the incident. Once all edits are complete, either select the **Continue** button or select the **Sorting** tab following the **Display** tab. The **Grouping** tab will not be demonstrated in this report.

Display: Total Entered into Trauma Registry

Column Specific Options

Order	Label	Format
1	Incident Number	Text

Show Group Summary:

Count: ☒ Yes ☐ No

Min: ☒ Yes ☐ No

Max: ☒ Yes ☐ No

Column Display:

Link: **Incident**

Set Blank Value: ☒ Yes ☐ No

Prefix:

Suffix:

Column Formatting:

Align: **left**

2 Medical Record Number Text

3 Admission Date Date MM/DD/YY

4 Age Range Text

5 ISS Score Range Text

6 ISS Calculated Text

Report Wide Options

Top Count: 10000

Display only the top 10 records. The maximum allowed is 10000, or return fewer to increase performance.

Row Value Repeating: ☒ Repeat All

☐ Repeat Repeating All Number

☐ Do Not Repeat

Not including the last column. Display each repeated column value for each comparison row.

Hide each repeated column until a number is found, or remove repeated column entirely.

Back

Continue

In the **Sorting** tab, data elements to be sorted either by ascending or descending order should be in the selected box. Either option can be selected using the **asc** or **desc** buttons following the selected box. Once options are chosen, either select the **Continue** button or select the **Criteria** tab following the **Sorting** tab.

The screenshot shows the 'Sorting' tab for the report 'Total Entered into Trauma Registry'. The 'Available' list on the left contains: Age Range (asc), ISS Calculated (TR21.8) (asc), ISS Score Range (asc), Incident Number (TR5.12) (asc), and Patient Medical Record Number (TR1.2) (asc). The 'Selected' list on the right contains: ED Admission Date (TR18.55) (asc). The 'asc' button is highlighted in the sorting options. Navigation buttons 'Back' and 'Continue' are at the bottom.

In the **Criteria** tab, report refinement occurs through criteria and filter. Criteria are applied automatically when a report is run. Filters prompt the user to provide responses each time a report is run to refine the report. Both criteria and filters can be used in one report. To add filters, add data elements to the selected box. For this report, criteria will not be demonstrated.

The screenshot shows the 'Criteria' tab. The 'Criteria' section has a table with columns: And/Or, Not, Field, Operator, and Value. Below it is an 'Add New' button. The 'Filters' section has a search box and an 'Available' list containing various fields like Account Number, Activation Level, and Addendum. The 'Selected' list contains: Hospital Name, ED-Hospital Admission Date (TR18.55), and Incident Form Title. An 'Edit Labels...' button is at the bottom left. Navigation buttons 'Back' and 'Continue' are at the bottom.

To have the same filter prompt each time a report is run, use the **Edit Labels** option. Set the default operator to the correct prompts for each data element. Once the default operators are complete, select **Generate Report**. For this report, the **Additional Options** tab will not be demonstrated.

The screenshot shows the 'Labels' tab. It features a table with columns: Order, Name, Label, Instructions (Up to 200 Characters), and Default Operator. The table contains three rows: 1. Hospital Name, 2. ED-Hospital Admission Date (TR18.55), and 3. Incident Form Title. The 'Default Operator' dropdown for the second row is set to 'is between'. Navigation buttons 'Back' and 'Continue' are at the bottom.

On the filters page, provide responses for the filters. Select **Generate Report**.

The report is displayed.

Incident Number	Medical Record Number	Admission Date	Age Range	ISS Score Range	ISS Calculated
ImageTrend -20250108- Demo167	251564	1/1/25	10-19	16-24	16
ImageTrend -20250121- Demo172	8418	1/21/25	40-49	0-9	0
ImageTrend -20250220- Demo175	321654987	2/20/25	20-29	0-9	4
ImageTrend -20250227- Demo177	8124	2/27/25	0-9	0-9	9

Count: 4

In the **Actions** tab, the report can be saved, scheduled, exported via PDF, CSV, Doc, HTML, or XML, or printed. Select the appropriate option or options for the report.

Under triage report

This report is designed to produce the incidents in the trauma registry that were not activated at the highest level and had an injury severity score of 15 or greater.

In Report Writer in Patient Registry, select **Hospital Incidents** to create a transactional report.



Create a Transactional Report

Facility: Facilities Users

Trauma: Hospital Incidents

In the **Columns** tab, data elements in the selected box are columns in the final report. Once data elements selection is complete, either select the **Continue** button or select the **Display** tab following the **Columns** tab.

In the **Display** tab, incident numbers can be linked to the relevant incident. Select the **Incident** option in the drop down menu in the column display section. When the link is selected, a separate tab opens to the relevant incident. This allows for reviews and edits of the incident. In the row value repetition section, select the **Do Not Repeat** button. This hides repetitive data elements for an incident. An incident can have multiple procedures, so repetitive data elements such as incident number, name, age, etc., will only be shown once, and a blank space will be present instead of repeating information.

Once all edits are complete, either select the **Continue** or the **Grouping** tab following the **Display** tab.

In the **Grouping** tab, data elements to be sorted either by ascending or descending order should be in the selected box. Either option can be selected using the **asc** or **desc** buttons following the selected box. Once options are chosen, either select the **Continue** button or the **Sorting** tab following the **Grouping** tab.

Columns Display **Grouping** Sorting Criteria Additional Options Actions v Generate Report »

Grouping: Under Triage Report

Data Set: Hospital Incidents

Group By Column (Select columns to order records under)

Available

- Patient Medical Record Number (TR1.2) (asc)
- Incident Number (TR5.12) (asc)
- ED-Hospital Admission Date (TR18.55) (asc)
- Highest Activation Level (TR17.21.1) (asc)
- New Activation Level (TR17.78.3) (asc)
- ISS Calculated (TR21.8) (asc)
- Incident ICD-10 Injury Category (TR200.3) (asc)
- ICD-10 Injury Detail Description (TR200.3) (asc)
- ICD-10 Procedure Codes and Descriptions List (asc)
- ED Discharge Disposition (TR17.27) (asc)
- Facility Discharge Disposition (TR25.27) (asc)

Selected

- Trauma Team Activation Level (TR17.21) (asc)

asc desc

Group By Date (Set a start and end date/time to group records within)

Back Continue

In the **Sorting** tab, data elements to be sorted either ascending or descending must be in the selected box. Either option can be selected using the **asc** or **desc** buttons following the selected box. Once options are chosen, either select the **Continue** button or the **Criteria** tab following the **Sorting** tab.

Columns Display Grouping **Sorting** Criteria Additional Options Actions v Generate Report »

Sorting: Under Triage Report

Data Set: Hospital Incidents

Select Columns

Search: []

Available

- ED Discharge Disposition (TR17.27) (asc)
- Facility Discharge Disposition (TR25.27) (asc)
- Highest Activation Level (TR17.21.1) (asc)
- ICD-10 Injury Detail Description (TR200.3) (asc)
- ICD-10 Procedure Codes and Descriptions List (asc)
- ISS Calculated (TR21.8) (asc)
- Incident ICD-10 Injury Category (TR200.3) (asc)
- Incident Number (TR5.12) (asc)
- New Activation Level (TR17.78.3) (asc)
- Patient Medical Record Number (TR1.2) (asc)

Selected

- ED Admission Date (TR18.55) (desc)

asc desc

Back Continue

In the **Criteria** tab, report refinement occurs through criteria and filter. Criteria are applied automatically when a report is run. Filters prompt the user to provide responses each time a report is run to refine the report. Both criteria and filters can be used in one report. To add criteria, enter data elements, operator, and value for each. To add filters, add data elements to the selected box.

To have the same filter prompt each time a report is run, use the **Edit Labels** option. Set the default operator to the correct prompts for each data element. Once the default operators are complete, select **Generate Report**. For this report, the **Additional Options** tab will not be demonstrated.

On the filters page, provide responses for the filters. Select **Generate Report**.

The report is displayed.

Columns

Display

Grouping

Sorting

Criteria

Additional Options

Actions v

Generate Report +

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Under Triage Report

MRN	Incident Number	ED Admission Date	Highest Activation Level	New Activation Level	Injury Severity Score	ICD-10 Injury Category	ICD-10 Injury Detail Description	ICD-10 Procedure Codes and Descriptions List	ED Discharge Disposition	Hospital Discharge Disposition
TTA Level: Level 2										
AA147	00008	06/04/2025	No		38	(Y90-Y99) Supplementary factors related to causes of morbidity classified elsewhere	(Y99.8) Other external cause status	(BW40ZZZ) Ultrasonography of Abdomen, (0PSK04Z) Reposition Right Ulna with Internal Fixation Device, Open Approach, (BW25ZZZ) Computerized Tomography (CT Scan) of Chest, Abdomen and Pelvis, (BW0JZZZ) Plain Radiography of Upper Extremity, (0HBDXZZ) Excision of Right Lower Arm Skin, External Approach, (0PSH04Z) Reposition Right Radius with Internal Fixation Device, Open Approach	Transferred to another hospital	Not Applicable
Count: 1										
TTA Level: Level 3										
12345	ImageTrend 20241125- Demo158	11/01/2024	No	Not Applicable	18	(W00-W19) Slipping, tripping, stumbling and falls	(W18.30XA) Fall on same level, unspecified, initial encounter	(BR2CZZZ) Computerized Tomography (CT Scan) of Pelvis, (BR29ZZZ) Computerized Tomography (CT Scan) of Lumbar Spine	Floor bed (general admission, non specialty unit bed)	Discharged to home or self-care (routine discharge)
Count: 1										
Count: 2										

In the **Actions** tab, the report can be saved, scheduled, exported via PDF, CSV, Doc, HTML, or XML, or printed. Select the appropriate option(s) for the report.

ColumnsDisplayGroupingSortingCriteriaAdditional Options

Actions v

Generate Report »

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Under Triage Report

Save

Save As...

Delete...

Rename/Change Properties...

Permissions...

Schedule Report...

Export...

Print...

PDF (5000 Rows Max)...

CSV (All Rows)...

Doc (This Page)...

HTML (This Page)...

XML (All Rows)...

MRNIncident NumberED Admission DateHighest Activation LevelNew Activation LevelInjury Severity Score

TTA Level: Level 2

AA1470000806/04/2025No38

Count: 1

MRNIncident NumberED Admission DateHighest Activation LevelNew Activation LevelInjury Severity Score

TTA Level: Level 3

12345ImageTrend -20241125-Demo15811/01/2024NoNot Applicable18

Count: 1

Count: 2

ICD-10 Injury Detail DescriptionICD-10 Procedure Codes and Descriptions ListED Discharge DispositionHospital Discharge Disposition

9 S) Other external cause status (BW40ZZZ) Ultrasonography of Abdomen, (0PSK04Z) Reposition Right Ulna with Internal Fixation Device, Open Approach, (BW25ZZZ) Computerized Tomography (CT Scan) of Chest, Abdomen and Pelvis, (BW0JZZZ) Plain Radiography of Upper Extremity, (0HBDXZZ) Excision of Right Lower Arm Skin, External Approach, (0PSH04Z) Reposition Right Radius with Internal Fixation Device, Open Approach

Transferred to another hospitalNot Applicable

(W00-W19) Slipping, tripping, stumbling and falls (W18.30XA) Fall on same level, unspecified, initial encounter (BR2CZZZ) Computerized Tomography (CT Scan) of Pelvis, (BR29ZZZ) Computerized Tomography (CT Scan) of Lumbar Spine

Floor bed (general admission, non specialty unit bed)Discharged to home or self-care (routine discharge)

Door to CT scan (patients with head injury) report

This report is designed to produce the incidents in the trauma registry in which a patient had a head injury. This shows the length of time it took from patient arrival at the hospital until a CT scan was performed.

In Report Writer in Patient Registry, select **Hospital Incidents** to create a transactional report.



Create a Transactional Report

Facility: Facilities Users

Trauma: Hospital Incidents

In the **Columns** tab, data elements in the selected box are a column in the final report. Custom columns are modifications of existing data elements. These are denoted with an asterisk next to the name. In this report, the date difference custom column calculates the amount of time between given data elements, specifically the date and time of

patient arrival and date and time of CT scan performed. A custom name for the new element must be provided. Once data elements selection is complete, either select the **Continue** button or the **Display** tab following the **Columns** tab.

Create Column

Type: Date Difference

Name: Door to Procedure (minutes)

Later Date: × ICD-10 Procedure Performed Date/Time (TR200.8/TR200.9)

Earlier Date: × ED-Hospital Admission Date Time (TR18.55/TR18.56)

Date Difference = Later Date - Earlier Date

Date Unit: Minutes

Columns: Door to CT Scan (patients with head injury)

Columns **Display** **Grouping** **Sorting** **Criteria** **Additional Options** **Actions** **Generate Report**

Select Columns

Search:

Available

- Account Number (TR1.27)
- Activation Level Was Changed Date (TR17.78.1)
- Activation Level Was Changed Date Time (TR17.78.1/TR17.78.1.1)
- Activation Level Was Changed Time (TR17.78.1.1)
- Activity At Injury (TR5.1)
- Addendum Added By
- Addendum Date
- Addendum Description
- Addendum Filename
- Additional AIS 05 Code (TR201.0)
- Additional AIS 05 Description (TR201.0)
- Additional AIS 2015 Code (TR201.0)
- Additional AIS 2015 Description (TR201.0)
- Additional AIS Code (TR201.0)
- Additional AIS Description (TR201.0)
- Additional AIS ISS Region
- Additional AIS Note (TR201.1)
- Additional Diagnosis Sort Order

Create Column...

Make Report Distinct: ☐ Yes ☒ No
Makes this report only return DISTINCT rows

Selected

- Incident Number (TR5.12)
- Patient Full Name
- Patient Gender (TR1.15)
- Patient Age (TR1.12)
- Patient Age Units (TR1.14)
- ED-Hospital Admission Date Time (TR18.55/TR18.56)
- ICD-10 Diagnosis Codes and Descriptions List
- *Door to Procedure (minutes)
- ICD-10 Procedure Description (TR200.2.1)
- ICD-10 Procedure Performed Date/Time (TR200.8/TR200.9)

Continue

In the **Display** tab, incident numbers can be linked to the relevant incident. Select the **Incident** option in the drop down menu in the column display section. When the link is selected, a separate tab opens to the relevant incident. This allows for reviews and edits of the incident. In the row value repetition section, select the **Do Not Repeat** option. This hides repetitive data elements for an incident. An incident can have multiple procedures, so repetitive data elements such as incident number, name, age, etc., will only be shown once, and a blank space will be present instead of repeating information. Once all edits are complete, either select the **Continue** button or the **Sorting** tab following the display tab. For this report, the **Grouping** tab will not be demonstrated.

The screenshot shows the 'Display' tab of a report configuration tool. The title is 'Display: Door to CT Scan (patients w/head injury)'. The 'Columns' tab is selected. The 'Column Specific Options' section shows a table with columns 1 through 10. Column 1 is 'Incident Number' and is set to 'Text'. The 'Column Display' section shows a dropdown menu with 'Incident' selected. The 'Column Formatting' section shows 'Align: left'. The 'Report Wide Options' section shows 'Top Count: 100000'. The 'Row Value Repetition' section shows 'Repeat All' selected, with 'Do Not Repeat' also visible. The 'Continue' button is highlighted in the bottom right corner.

In the **Sorting** tab, data elements to be sorted either by ascending or descending order should be in the selected box. Either option can be selected using the **asc** or **desc** buttons following the selected box. Once options are chosen, either select the **Continue** button or the **Criteria** tab following the **Sorting** tab.

The screenshot shows the 'Sorting' tab of the report configuration tool. The title is 'Sorting: Door to CT Scan (patients w/head injury)'. The 'Columns' tab is selected. The 'Select Columns' section shows a list of available columns on the left and a 'Selected' box on the right. The 'Selected' box contains 'ED/Acute Care Admission Date/Time (TR10.55/TR10.56) (desc)'. The 'asc' and 'desc' buttons are highlighted in the bottom right corner. The 'Continue' button is highlighted in the bottom right corner.

In the **Criteria** tab, report refinement occurs through criteria and filter. Criteria are applied automatically when a report is run. Filters prompt the user to provide responses each time a report is run to refine the report. Both criteria and filters can be used in one report. To add criteria, enter data elements, operator, and value for each. To add filters, add data elements to the selected box. Once filter and criteria are complete, select the **Continue** button.

To have the same filter prompt each time a report is run, use the **Edit Labels** option. Set the default operator to the correct prompts for each data element. Once the default operators are complete, select **Generate Report**. For this report, the **Additional Options** tab will not be demonstrated.

On the filters page, provide responses for the filters. Select **Generate Report**.

The report is displayed.

ColumnsDisplayGroupingSortingCriteriaAdditional OptionsActionsvGenerate Report »

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Door to CT Scan (patients w/head injury)

Incident Number	Patient Full Name	Patient Gender	Patient Age	Patient Age Units	ED Admission Date/Time	ICD-10 Diagnosis Codes and Descriptions List	Door to Procedure (minutes)	ICD-10 Procedure Description	ICD-10 Procedure Performed Date/Time
00008	Divia Export		41	Years	06/04/2025 06:55	(S22.42XA) Multiple fractures of ribs, left side, initial encounter for closed fracture, (S06.5X9A) Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter, (S06.899A) Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter, (S02.2XXA) Fracture of nasal bones, initial encounter for closed fracture, (S32.058A) Other fracture of fifth lumbar vertebra, initial encounter for closed fracture, (S03.2XXA) Dislocation of tooth, initial encounter, (S02.5XXA) Fracture of tooth (traumatic), initial encounter for closed fracture, (S02.5XXA) Fracture of tooth (traumatic), initial encounter for closed fracture, (S02.336A) Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture, (S70.312A) Abrasion, left thigh, initial encounter, (S70.311A) Abrasion, right thigh, initial encounter, (S01.81XA) Laceration without foreign body of other part of head, initial encounter, (S06.6X9A) Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter, (S02.31XA) Fracture of orbital floor, right side, initial encounter for closed fracture, (S32.120A) Nondisplaced Zone II fracture of sacrum, initial encounter for closed fracture, (S32.048A) Other fracture of fourth lumbar vertebra, initial encounter for closed fracture	66	Computerized Tomography (CT Scan) of Chest, Abd & Pelvis	06/04/2025 08:01
ImageTrend -20250505-Demo200	STAC Abstraction Time	-Select-	-Select-			(S06.5X0) Traumatic subdural hemorrhage without loss of consciousness, (S46.021A) Laceration of muscle(s) and tendon(s) of the rotator cuff of right shoulder, initial encounter, (S70.12XA) Contusion of left thigh, initial encounter		Computerized Tomography (CT Scan) of Cervical Spine Computerized Tomography (CT Scan) of Head Computerized Tomography (CT Scan) of Thoracic Spine	05/01/2025 13:15 05/01/2025 13:15 05/01/2025 13:15

In the **Actions** tab, the report can be saved, scheduled, exported via PDF, CSV, Doc, HTML, or XML, or printed. Select the appropriate option(s) for the report.

Columns

Display

Grouping

Sorting

Criteria

Additional Options

Actions

Generate Report

ImageTrend

Door to CT Scan (patients w/head injury)

Incident Number	Patient Full Name	Patient Gender	Patient Age	Patient Age Units	ED Admission Date/Time	ICD-10 Diagnosis Codes and Descriptions List	Door to Procedure (minutes)	ICD-10 Procedure Description	ICD-10 Procedure Performed Date/Time
00008	Divia Export		41	Years	06/04/2025 06:55	(S22.42XA) Multiple fractures of ribs, left side, initial encounter for closed fracture, (S06.899A) Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter, (S02.2XXA) Fracture of nasal bones, initial encounter for closed fracture, (S32.058A) Other fracture of fifth lumbar vertebra, initial encounter for closed fracture, (S03.2XXA) Dislocation of tooth (traumatic), initial encounter for closed fracture, (S02.5XXA) Fracture of tooth (traumatic), initial encounter for closed fracture, (S02.336A) Displaced fracture of neck of fifth metacarpal bone, right hand, initial encounter for closed fracture, (S70.312A) Abrasion, left thigh, initial encounter, (S70.311A) Abrasion, right thigh, initial encounter, (S01.812A) Laceration without foreign body of other part of head, initial encounter, (S06.6X9A) Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter, (S02.31XA) Fracture of orbital floor, right side, initial encounter for closed fracture, (S32.120A) Nondisplaced Zone II fracture of sacrum, initial encounter for closed fracture, (S32.048A) Other fracture of fourth lumbar vertebra, initial encounter for closed fracture	66	Computerized Tomography (CT Scan) of Chest, Abd & Pelvis	06/04/2025 08:01

Save As...

Schedule Report...

Export

Print...

PDF (5000 Rows Max)...

CSV (All Rows)...

Doc (This Page)...

HTML (This Page)...

XML (All Rows)...

Analytical tabular reports

Top five injury categories by age range year over year report

This report is designed to produce the five injury categories that have the most incidents by patient age range. The results are broken down by patient arrival year.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical tabular report.



Create an Analytical Tabular Report
Incident: **Hospital Analytical**

In the **Basic Options** tab are three sections of the report to be completed. They are measures, rows, and columns. The measures are the results of the report such as count of incidents. The rows are data elements that appear as a row in the report. The columns are data elements that appear as columns in the report. Each section has a selected box of data elements that can be displayed in the final report. Once all sections are complete, select the **Filters** tab following the **Basic Options** tab. Not all reports will require both columns and rows. All reports require at least one measure.

In the **Filters** tab, report refinement occurs through filters. There are separate sections for measures filters, row filters, column filters, and additional filters. Filters can be added for the relevant data elements in each section. Any filter that does not fit into those sections can be added in the additional filters section. The filters are applied automatically each time a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select the **Additional Options** tab following the **Filters** tab.

In the **Additional Options** tab, additional refinement can occur. In the subset options, the top five injury categories can be added. The available categories are listed in this section. Select the appropriate category and choose the subset function and the number. For this example, the ICD-10 injury category is chosen with the top count subset function and number of 5. This will allow for only the top five injury categories to be shown in the report. Display options are in the **Additional Options** tab too. For this report, aggregate options are added. Choose the desired options and when completed, select **Generate Report**.

The report is displayed.

In the **Actions** tab, the report can be saved, scheduled, and exported via PDF or CSV.

Design		Actions	
ED-Hospital Admission Year (TR18.95)	2022	Save	
		Save As...	Injury Category (W00-W19) Slipping, tripping, stumbling and falls
		Delete...	Age Range In Years
		Rename/Change Properties...	
		Permissions...	1
		Schedule Report...	2
		Export	3
Subtotal		PDF...	1
2023		CSV...	7
		1-4	
		1n.14	1

Design		Actions		Top 5 Injury Categories by Age Range Year over Year						Design: Top 5 Injury Categories by Age Range Year over Year	
ED-Hospital Admission Year (TR18.95)		ICD-10 Injury Category (T200.3)	(W00-W19) Slipping, tripping, stumbling and falls	(V00-V09) Pedestrian injured in transport accident	(V40-V49) Car occupant injured in transport accident	(V60-V69) Occupant of heavy transport vehicle injured in transport accident	(V90-V94) Water transport accidents	Count Of Incidents Grand Total		Generate Report >	
2022	<1		1					1	1		
	20-24		2					2	2		
	25-34		3			1		4	4		
	85+		1					1	1		
	Subtotal		7	0	1	0	0	8	8		
2023	1-4						1	1	1		
	10-14		1					1	1		
	20-24		1					1	1		
	35-44		1		1		1	3	3		
	45-54		2	1				3	3		
	55-64						1	1	1		
	Subtotal		5	1	1	1	2	10	10		
2024	1-4				1			1	1		
	25-34		3	1				4	4		
	35-44		4					4	4		
	45-54		2	1			1	4	4		
	55-64				1		1	2	2		
	65-74		1					1	1		
	75-84		1		1			2	2		
	Subtotal		11	2	3	1	1	18	18		
Percent of Grand Total			63.89%	8.33%	13.89%	5.56%	8.33%	100.00%			
Grand Total			23	3	5	2	3	36			

Average time of arrival to ED discharge by month and ISS range report

This report is designed to produce the average time in hours that a patient spends in the ED before discharge. It is broken down by month of year and ISS range.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical report.



Create an Analytical Tabular Report
Incident: **Hospital Analytical**

In the **Basic Options** tab are three sections of the report to be completed. They are measures, rows, and columns. The measures are the results of the report such as count of incidents. The rows are data elements that appear as a row in the report. The columns are data elements that appear as columns in the report. Each section has a selected box of data elements that can be displayed in the final report. Once all sections are complete, select the **Filters** tab following the **Basic Options** tab. Not all reports will require both columns and rows. All reports require at least one measure.

Design: Average Time of Arrival to ED Discharge by Month and ISS Range
Generate Report »

Design Actions »

Basic Options Filters Additional Options Metadata

Measures:

Available:

- Additional AIS Count
- Average ED Decision To Transfer To ED Physical Discharge In Hours (TR17.25/TR17.25/TR17.41/TR17.42)
- Average ED Decision To Transfer To ED Physical Discharge In Minutes (TR17.25/TR17.25/TR17.41/TR17.42)
- Average ED Decision To Transfer To Hospital Discharge In Hours (TR25.34/TR25.48/TR17.41/TR17.42)
- Average ED Decision To Transfer To Hospital Discharge In Minutes (TR25.34/TR25.48/TR17.41/TR17.42)
- Average ED Physical Discharge To Completed Days (TR17.25/TR17.25)
- Average ED Physician Called To ED Physician Arrived In Minutes (TR17.15/TR17.10/TR17.14)
- Average ED-Hospital Admission To Death In Days
- Average ED-Hospital Admission To Death In Hours
- Average ED-Hospital Admission To Death In Minutes
- Average ED-Hospital Admission To ED Decision To Transfer In Hours (TR17.41/TR17.42/TR18.55/TR18.56)
- Average ED-Hospital Admission To ED Decision To Transfer In Minutes (TR17.41/TR17.42/TR18.55/TR18.56)

Selected:

Average ED-Hospital Admission To ED Physical Discharge In Hours

MEASURES

Rows:

Available:

- ACIS ISS Care Range
- Acute Care Arrival to Antibiotic Administration Total Minutes
- Additional AIS Code
- Additional AIS Version
- Admitting MD/Staff (TR18.06)
- Alcohol Screen (TR18.46)
- Arrived From (TR18.22)
- Bi-National Inclusion Criteria Met
- Communication Issue Delay Reason (TR17.44/Communication)
- Communication Corrective Action (TR23.9)
- Complication Correspondence Date Time (TR23.1.11)
- Complication Correspondence Group (TR23.1.16)

Selected:

ED-Hospital Admission Month (TR18.55)

ROWS

Columns:

Available:

- Acute Care Arrival to Antibiotic Administration Total Minutes
- Additional AIS Code
- Additional AIS Version
- Admitting MD/Staff (TR18.06)
- Alcohol Screen (TR18.46)
- Arrived From (TR18.22)
- Bi-National Inclusion Criteria Met
- Communication Issue Delay Reason (TR17.44/Communication)
- Communication Corrective Action (TR23.9)
- Complication Correspondence Date Time (TR23.1.11)
- Complication Correspondence Group (TR23.1.16)

Selected:

Hospital Name

ACIS ISS Care Range

COLUMNS

In the **Filters** tab, report refinement occurs through filters. There are separate sections for measures filters, row filters, column filters, and additional filters. Filters can be added for the relevant data elements in each section. Any filter that does not fit into those sections can be added in the additional filters section. The filters are applied automatically when a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select the **Additional Options** tab following the **Filters** tab.

In the **Additional Options** tab, additional refinement can occur. For this report, aggregate options are added. Choose the desired options and when completed, select **Generate Report**.

	Row				Column		
	Grand Total	Subtotals	Overall Average	Sub Averages	Percent of Grand Total Row	Grand Total	Overall Average
Average ED-Hospital Admission To ED Physical Discharge In Hours(TR17.25/TR17.26-TR18.55/TR18.56)	☐	☐	☒	☐	☐	☒	☐

The report is displayed.

Average Time of Arrival to ED Discharge by Month and ISS Range						
Hospital Name	*ImageTrend/Lakeville Hospital					
ACS ISS Calc Range	0-9	10-15	16-24	25+	Not Reported	
ED-Hospital Admission Month (TR18.55)						Average ED-Hospital Admission To ED Physical Discharge In Hours(TR17.25/TR17.26-TR18.55/TR18.56) Average
January	2.50					2.50
February	2.00	1.00				1.50
April	2.00				1.00	1.50
May	5.00					5.00
June	4.33		4.00			4.17
July	4.67	1.00	1.00			2.22
August	5.00					5.00
September	1.00					1.00
October	1.67			3.00		2.34
November	3.00		2.00			2.50
December	2.00					2.00
Average	3.02	1.00	2.33	3.00	1.00	2.70

In the **Actions** tab, the report can be saved, scheduled, and exported via PDF or CSV.

Design	Actions ▾								
	Save								
	Save As...								
	Delete...								
ED-Hosp	Rename/Change Properties...								
January	Permissions...								
February	Schedule Report...								
April	Export								
May									
June									
July									
August									

Types of falls by ED discharge disposition and ISS score greater than 15 report

This report is designed to produce the types of falls by injury code and with an ISS score greater than 15. It is broken down by ED discharge disposition.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical report.



Create an Analytical Tabular Report
Incident: **Hospital Analytical**

In the **Basic Options** tab are three sections of the report to be completed. They are measures, rows, and columns. The measures are the results of the report such as count of incidents. The rows are data elements that appear as a row in the report. The columns are data elements that appear as columns in the report. Each section has a selected box. The data elements in those boxes are displayed in the final report. Once all sections are complete, select the **Filters** tab following the **Basic Options** tab. Not all reports will require both columns and rows. All reports require at least one measure.

The screenshot shows the 'Basic Options' tab in the Report Writer interface. It is divided into three sections: Measures, Rows, and Columns. Each section has a list of available data elements and a 'Selected' box on the right.

- Measures:** The 'Selected' box contains 'Count Of Incidents'.
- Rows:** The 'Selected' box contains 'ICD-10 Injury Description And Code (TR200.3)'.
- Columns:** The 'Selected' box contains 'ED Discharge Disposition (TR17.27)'.

In the **Filters** tab, report refinement occurs through filters. There are separate sections for measures filters, row filters, column filters, and additional filters. Filters can be added for the relevant data elements in each section. Any filter that does not fit into those sections can be added in the additional filters section. The filters are applied automatically when a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select the **Additional Options** tab following the **Filters** tab.

Design

Actions

Design: Types of Falls by ED Discharge Disposition and ISS Score Greater than 15

Generate Report

Basic Options

Filters

Additional Options

Metadata

Measure Filters - Count Of Incidents

Add Measure Filter

Row Filters

Add Dimension Filter

Column Filters

Add Dimension Filter

Additional Filters

ED-Facility Patient Arrival Date (TR18.55) between 01/01/2021 AND 01/31/2024

and

Incident ICD-10 Injury Category (TR200.3) in (W00-W19) Slipping, tripping, stumbling and falls

and

ED-Facility Injury Severity Score - ISS - Calculated (TR21.8) greater than 15

Add Dimension Filter

Display Options (Report Title)

Aggregate Options (Totals, Averages, Percentages)

	Row			Column		
	Grand Total	Overall Average	Percent of Grand Total Row	Grand Total	Overall Average	Percent of Grand Total Column
Count Of Incidents	☒	☐	☒	☒	☐	☒

Advanced Options (Drill Through, Empty Values)

Subset Options (TopX, BottomX)

Localization Options (Decimal, Thousands Separator, Currency, Default Date Format)

PDF Export Options (Page Orientation, Include Filters Information, Report Scale)

In the **Additional Options** tab, additional refinement can occur. For this report, aggregate options are added. Choose the desired options and when completed, select **Generate Report**.

Design

Actions

Design: Types of Falls by ED Discharge Disposition and ISS Score Greater than 15

Generate Report

Basic Options

Filters

Additional Options

Metadata

Display Options (Report Title)

Aggregate Options (Totals, Averages, Percentages)

Advanced Options (Drill Through, Empty Values)

Subset Options (TopX, BottomX)

ICD-10 Injury Description And Code (TR200.3) Top Count Count: 30

ED Discharge Disposition (TR17.27) Subset Function: Number

Localization Options (Decimal, Thousands Separator, Currency, Default Date Format)

PDF Export Options (Page Orientation, Include Filters Information, Report Scale)

The report is displayed.

Design

Actions

Design: Types of Falls by ED Discharge Di

Types of Falls by ED Discharge Disposition and ISS Score Greater than 15

ED Discharge Disposition (TR17.27)	AMA	Operating Room (Hybrid OR)	Transferred to another hospital	Count Of Incidents Grand Total	Percent of Count Of Incidents Grand Total
ICD-10 Injury Description And Code (TR200.3)					
Fall from bed, initial encounter (W06.XXXA)	1			1	33.33%
Fall on and from ladder, initial encounter (W11.XXXA)		1		1	33.33%
Fall on same level from slipping, tripping and stumbling without subsequent striking against object, initial encounter (W01.0XXA)			1	1	33.33%
Percent of Grand Total	33.33%	33.33%	33.33%	100.00%	333.00%
Grand Total	1	1	1	3	100%

In the **Actions** tab, the report can be saved, scheduled, and exported via PDF or CSV.

Design

Actions

Save

Save As...

Delete...

Rename/Change Properties...

Permissions...

Schedule Report...

Export

PDF...

CSV...

AMA

Deceased/Expired

Floor bed (general admission, non special unit bed)

ICD-10

0.3)

Fall (on) (from) unspecified stairs and steps, initial encounter (W10.0XXA)

Fall (on) (from) incline, initial encounter (W10.2XXA)

Fall (on) (from) sidewalk curb, initial encounter (W10.1XXA)

Analytical chart reports

Total registry volume by month and by year report

This report is designed to produce the number of incidents by month over several years.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical chart report.



Create an Analytical Chart Report

Incident: **Hospital Analytical**

In the **Basic Options** tab, there are multiple sections of the report to be completed depending on the chart type selected. For the column chart type, there are four requirements including stacking, y-axis measure, column name, and x-axis categories. Stacking refers to the layout of the columns. The y-axis is the measure on the vertical portion of the chart. The x-axis categories are the data elements on the horizontal portion of the chart. The column name is the data element that is grouped by the x-axis categories. The y-axis, column names, and x-axis categories can be grouped and filtered by selecting the **Each** or **Filter** options. If filter is selected, a pop-up box appears to filter that specific requirement. Selecting each will allow each option in the specified data element to appear individually.

Design

Actions ▾

Basic Options

Additional Filters

Additional Options

Chart Type: Column ▾

Stacking: **None** Stacked Percent

Y-Axis Measure: X Count Of Incidents ▾

Column Names: X ED-Hospital Admission Year (TR18.55) ▾

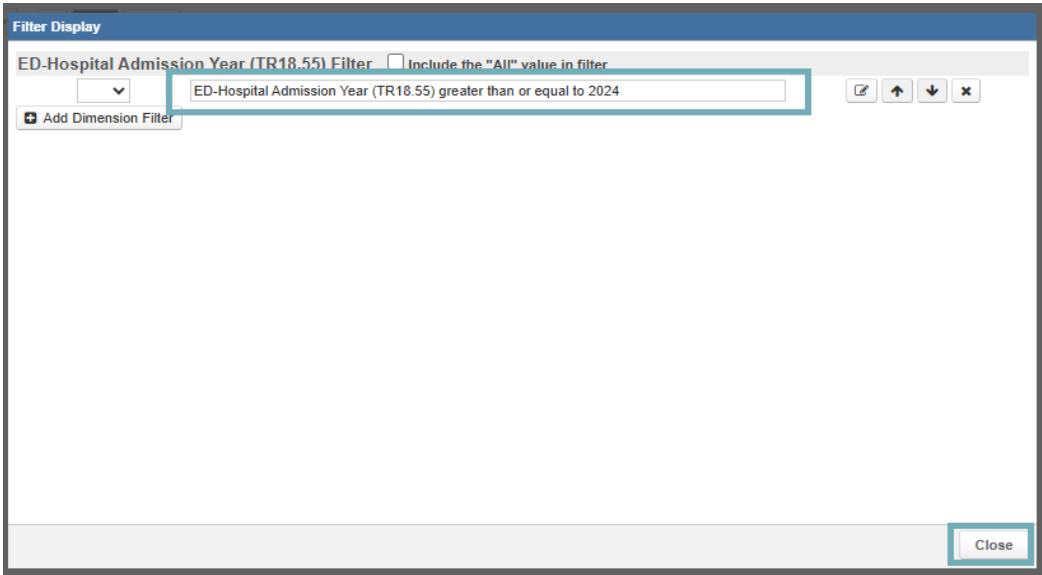
X-Axis Categories: X ED-Hospital Admission Month (TR18.55) ▾

Filter...

All Each **Filter...**

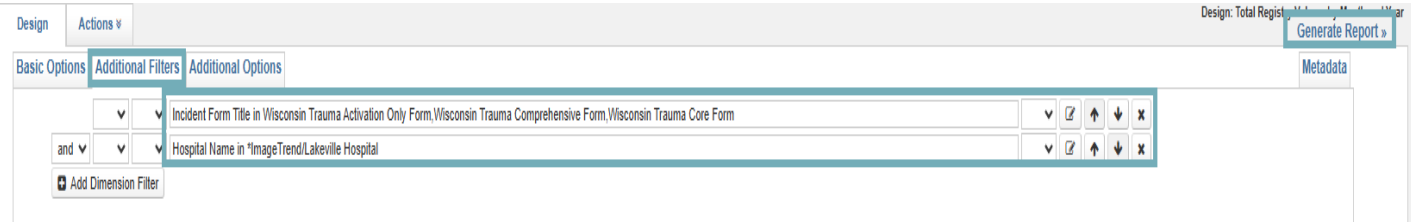
All **Each** Filter...

For the filter, this refinement is only for this specific data element, not the entire report like the **Filters** tab. When the correct filter or filters are added, select the **Close** button.



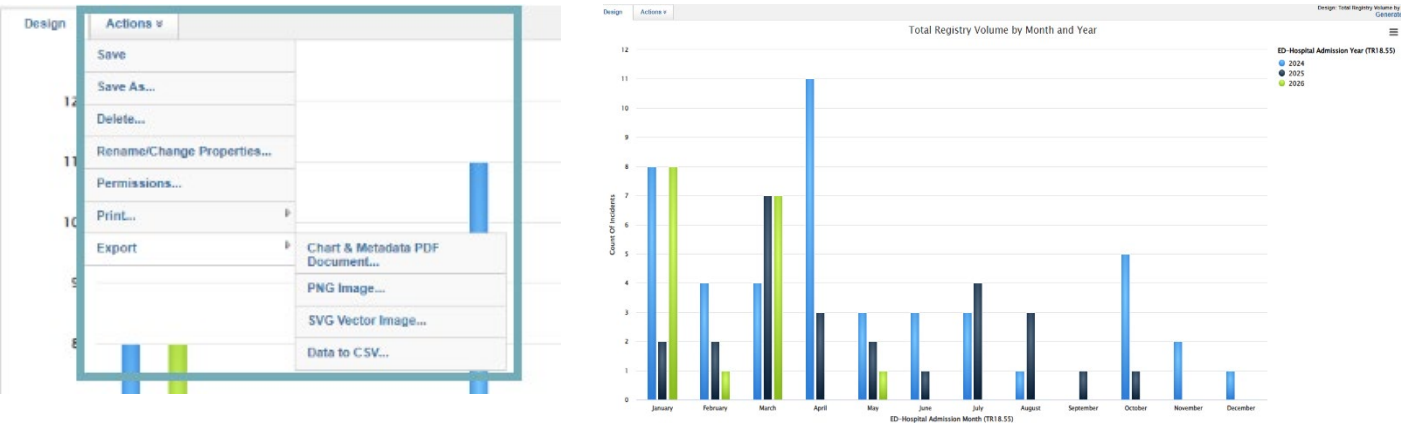
Once all sections are complete, select the **Additional Filters** tab following the **Basic Options** tab.

In the **Additional Filters** tab, report refinement occurs through filters. Filters can be added for the entire report rather than the data on the **Basic Options** tab. The filters are applied automatically when a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select **Generate Report** There are no additional options in this report.



The report is displayed.

In the **Actions** tab, the report can be saved, printed, and exported via chart PDF document, PNG image, SVG vector image, or data into a CSV file.



Undertriage percentage

This report is designed to produce the number of incidents by month over several years.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical chart report.



Create an Analytical Chart Report
Incident: **Hospital Analytical**

In the **Basic Options** tab, there are multiple sections of the report to be completed depending on the chart type selected. For the KPI column chart type, there are four requirements including benchmark, numerator measure, denominator measure, and the main KPI section name. Benchmark refers to the layout of the report. The denominator measure is the measure of the entire report. The numerator measure is the measure of the refined portion of the report. The numerator is divided by the denominator and multiplied by 100 to determine a percentage. The main KPI section name is the name of the comparative group in the chart. The numerator and denominator measures can have filters added to them to refine the measures. When the filter is selected, a pop-up box appears to filter that specific measurement.

For the filter, this refinement is only for this specific data element, not the entire report like the **Filters** tab. When the correct filter or filters are added, select the **Close** button.

Once all sections are complete, select the **Additional Filters** tab following the **Basic Options** tab.

Select the **Additional Filters** tab following the **Basic Options** tab.

In the **Additional Filters** tab, report refinement occurs through filters. Filters can be added for the entire report rather than the data on the **Basic Options** tab. The filters are applied automatically when a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select the **Additional Options** following the **Filters** tab.

Operator	Field	Value
and	ED-Hospital Admission Date (TR18.55)	between 01/01/2021 AND today
and	Incident Form Title in Wisconsin Trauma Comprehensive Form, Wisconsin Trauma Core Form	

In the **Additional Options** tab, additional refinement can occur. For this report, a target line of 5% has been added. When completed, select **Generate Report**.

Target Line 1

Target Line Color: [Color Picker]

Target Line Style: Dot

Target Line Label: Goal

Target Line Value: 5

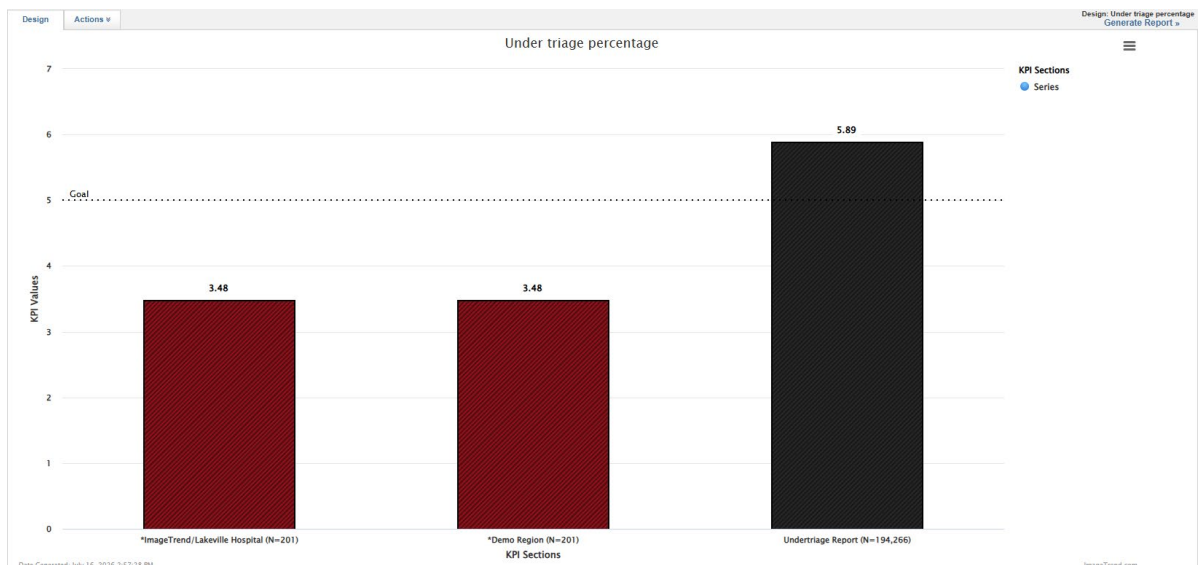
A filter prompt pop-up box will appear requesting the hospital name. Select hospital name from the drop-down menu. When the hospital has been selected, the associated region name will auto-populate. Select **Generate Report**.

Select Hospital, Region, And State Filter Values

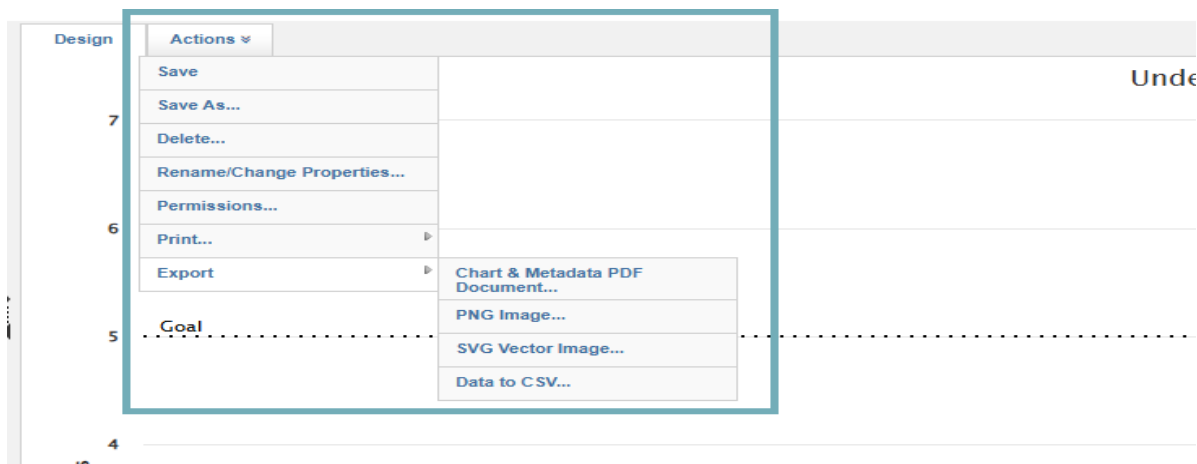
Hospital Name: *ImageTrend/Lakeville Hospital

Region Name: *Demo Region

The report is displayed.



In the **Actions** tab, the report can be saved, printed, and exported via chart PDF document, PNG image, SVG vector image, or data into a CSV file.



Consulting services for trauma

This report is designed to produce the number of consults by type and percent of the time the type of consults occurs for incidents.

In Report Writer in Patient Registry, select **Hospital Analytical** to create an analytical chart report.



Create an Analytical Chart Report
Incident: **Hospital Analytical**

In the **Basic Options** tab, there are multiple sections of the report to be completed depending on the chart type selected. For the pie chart type, there are two requirements including pie and pie slice name. Pie refers to the measurement of the chart. Pie slice name refers to the data element in the chart. There are filters for pie and pie slice name.

Design Actions ▾

Basic Options Additional Filters Additional Options

Chart Type: Pie ▾

Pie: X Count Of Incidents ▾ Filter...

Pie Slice Names: X Consulting Service Type (TR17.32) ▾ All Each Filter...

In the **Additional Filters** tab, report refinement occurs through filters. Filters can be added for the entire report rather than the data on the **Basic Options** tab. The filters are applied automatically when a report is run. To add filters, enter data elements, operator, and value for each. When all filters are added, select **Generate Report**. The

Design Actions ▾

Basic Options Additional Filters Additional Options

ED-Hospital Admission Date (TR18.55) on or after 01/01/2022

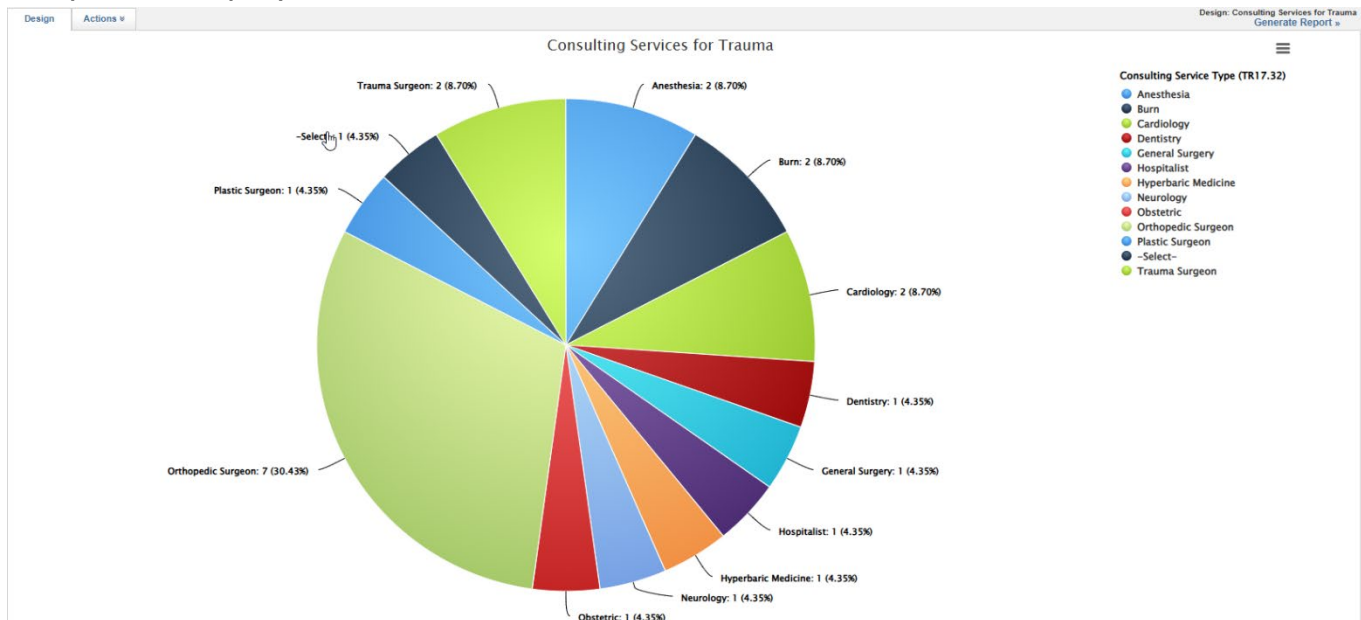
and Hospital Name in *ImageTrend/Lakeville Hospital

Add Dimension Filter

Generate Report »

Additional Options tab will not be demonstrated in this report.

The report is displayed.



In the **Actions** tab, the report can be saved, printed, and exported via chart PDF document, PNG image, SVG vector image, or data into a CSV file.

