

What Makes Up the Nurse Manager Unit Dashboard

A few details

- Unit Specific
- “Minimal” Build
- Batch jobs run every 1 hour to refresh data.

2 Templates

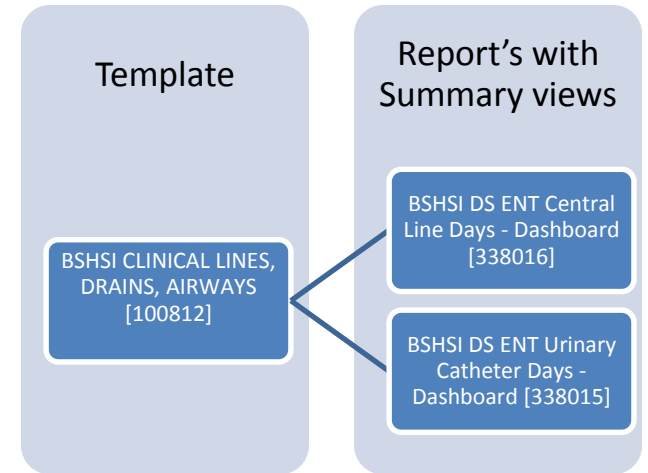
3 Reports

Supply data to the Dashboard

BSHSI CLINICAL LINES, DRAINS, AIRWAYS

- ☆ **BSHSI DS** ENT Central Line Days - Dashboard
- ☆ **BSHSI DS** ENT Urinary Catheter Days - Dashboard

Also used in facility dashboard

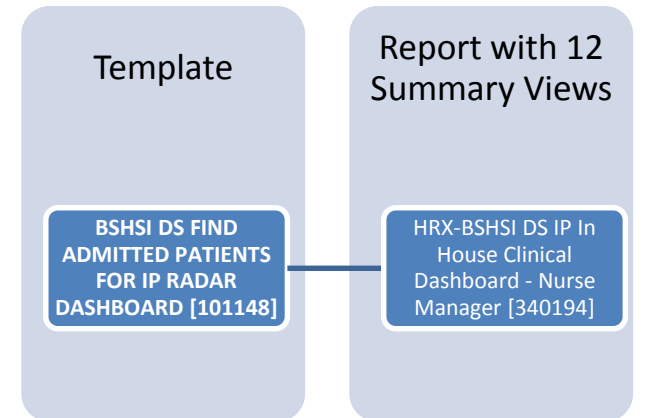


Report runs and collects data from every facility, the Components then filters results based on login department (SMH 2N MED SURG)

BSHSI DS FIND ADMITTED PATIENTS FOR IP RADAR DASHBOARD

▼ Matching reports

- ☆ **BSHSI DS** IP In House Clinical Dashboard - Nurse Manager



What is this Criteria?

BSHSI DS IP In House Clinical Dashboard - Nurse Manager [340194]

Criteria | Display | Appearance | Summary | Print Layout | Toolbar | General

Find Patients

Filter criteria Add

☐ Department excluded

☒ Hospital excluded

☒ Exclude HOVs?

Enter Search Values

Department excluded 1

And Or And Or

Find Patients with
Hospital excluded:
ST FRANCIS HOSPITAL INC MOB [1708]
AND Exclude HOVs?:
Yes

☐ Notify

The criteria is configured to run against all Patients in all IP Facilities.

Lots of Columns

Selected Columns

| Column Name | Width |
|-------------------------------|-------|
| Anchor (0 anchored) | |
| IP CM CSN - ZERO WIDTH | 0 |
| IP/RWB DEPARTMENT | 1650 |
| Braden Score | 600 |
| Discharge from Department | 1800 |
| IP Pain Assessment Status | 1700 |
| IP RWB ADMISSION REQUIR | 800 |
| IP Skin Risk Assessme | |
| Patient On Non-Violent | |
| Patient On Violent Rest | |
| IP PTA Medications No | |
| CDS Hours in Observation | 1000 |
| Patient Class (EPT) | 1440 |
| Readmission risk score | 1440 |
| IP Fall Risk Assessment Score | 750 |
| IP Overdue Pain Reassessment | 1600 |

The columns define what data is collected.

Double-click column name to change width

Edit/View

Default

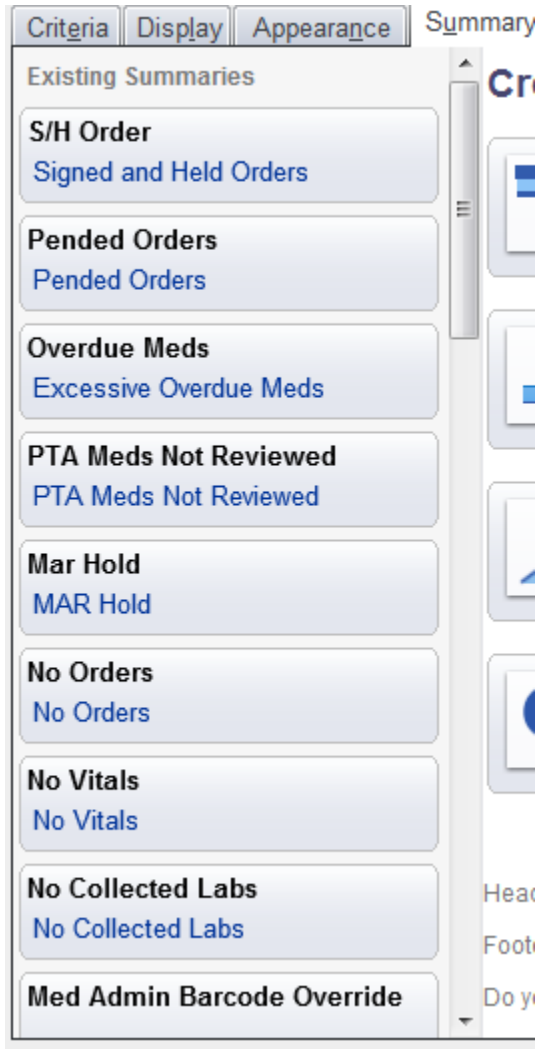
Associate

What does this data mean?

| Department | Score | Discharge From | Shift Assessment | Adm Re | Status | Action Needed | Action Needed | PTA Med Review | Hrs in Obs | Patient Class | Readmission rt | Score | Reassessment | Current Facility | MEWS Sc | PEWS Score | Admission Med | Hospital Locat |
|----------------------|-------|----------------|------------------|--------|--------|---------------|---------------|----------------|------------|---------------|----------------|-------|--------------|---------------------------|---------|------------|---------------|---------------------------|
| Ward 10 (Med) (Unit) | 21 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 23 | 3 | | ST MARY'S HOSPITAL (Unit) | 1 | | Partially | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 16 | RECEIVED | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 21 | 2 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 23 | RECEIVED | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 16 | 3 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 14 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 27 | 2 | | ST MARY'S HOSPITAL (Unit) | 2 | | Partially | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 20 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 13 | 2 | | ST MARY'S HOSPITAL (Unit) | 1 | | Partially | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 18 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 10 | 5 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 19 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 1 | 1 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 15 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 6 | 3 | | ST MARY'S HOSPITAL (Unit) | 7 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 21 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | 21 | OBSERVATION 1 | | 0 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 15 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 10 | 3 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 18 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 15 | 5 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 15 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 0 | 4 | | ST MARY'S HOSPITAL (Unit) | 1 | | Yes | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 18 | RECEIVED | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 12 | 3 | | ST MARY'S HOSPITAL (Unit) | 1 | | Partially | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 20 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | ● | | INPATIENT | 20 | 2 | | ST MARY'S HOSPITAL (Unit) | 2 | | No | ST MARY'S HOSPITAL (Unit) |
| Ward 10 (Med) (Unit) | 17 | | ⊗ | ✓ | ⊗ | ⊗ | ⊗ | | | INPATIENT | 13 | 3 | | ST MARY'S HOSPITAL (Unit) | 1 | | Partially | ST MARY'S HOSPITAL (Unit) |

In this format the report is nearly useless

All summarized up....



The screenshot shows a software interface with a tabbed menu at the top containing 'Criteria', 'Display', 'Appearance', and 'Summary'. The 'Summary' tab is selected. Below the tabs, the section is titled 'Existing Summaries'. A list of summary items is displayed, each with a bold title and a link below it. The items are: 'S/H Order' with link 'Signed and Held Orders', 'Pended Orders' with link 'Pended Orders', 'Overdue Meds' with link 'Excessive Overdue Meds', 'PTA Meds Not Reviewed' with link 'PTA Meds Not Reviewed', 'Mar Hold' with link 'MAR Hold', 'No Orders' with link 'No Orders', 'No Vitals' with link 'No Vitals', 'No Collected Labs' with link 'No Collected Labs', and 'Med Admin Barcode Override'. To the right of the list, a vertical scrollbar is visible. On the far right, parts of other tabs are visible, showing 'Cri', 'Hea', 'Foot', and 'Do y'.

| Criteria | Display | Appearance | Summary |
|---|---------|------------|---------|
| Existing Summaries | | | |
| S/H Order Signed and Held Orders | | | |
| Pended Orders Pended Orders | | | |
| Overdue Meds Excessive Overdue Meds | | | |
| PTA Meds Not Reviewed PTA Meds Not Reviewed | | | |
| Mar Hold MAR Hold | | | |
| No Orders No Orders | | | |
| No Vitals No Vitals | | | |
| No Collected Labs No Collected Labs | | | |
| Med Admin Barcode Override | | | |

- In order to utilize any of the data that had been collected summary views are used.
- They process the data into numerator and denominators.

Configuring a summary view

- Having the field set on department tells the summary what column to group the data by.
- In order to use numerator/denominators the view function needs to be a ratio.

The image shows a reporting tool interface. On the left, a summary view is displayed with a table titled 'Fall Risk'. The table has two columns: 'Department' and 'High Fall Risk'. The data is grouped by department, with a 'Grand Totals' row at the top. The 'High Fall Risk' column shows a ratio of 8:9 for the grand total and 8:9 for each department.

On the right, the 'Top Grouping' configuration panel is visible. It shows the 'Field' set to 'Department'. The 'Include blank values?' and 'List specific values to include?' options are both set to 'No'. The 'Summarize By' section shows a table with the following configuration:

| Function | Field | Caption |
|----------|-------|----------------|
| Ratio | Score | High Fall Risk |

Below this, the 'Reporting Workbench Ratio Editor' dialog is open. It shows the 'Field' set to 'Score' and the 'Display format' set to 'Ratio' (e.g. 6:8). The 'Numerator' section shows a table with the following configuration:

| Relationship | Value |
|--------------|-------|
| Greater than | 3 |

The 'Denominator' section shows a table with the following configuration:

| Relationship | Value |
|----------------|-------|
| Exists | |
| Does not exist | |

At the bottom of the dialog, there are two checkboxes: 'Match on any or all lines above?' (set to 'Any') and 'Allow results to qualify for the numerator without qualifying for the denominator?' (set to 'Yes'). The 'Accept' and 'Cancel' buttons are at the bottom right.

Summary view added to a resource in a component

Basic Information

Display
Data Source
Output Format
Table
Graph
Access

Basic Information

Name: BSHSI DS IP Nurse Manager In House Quality Improvement

Admin description:

Source record: IP Nurse Manager In House Quality Improvement Initiatives

Display format: Table

Data source: Dashboard Resources

The component needs to have a data source of dashboard resource in order to use a resource record

Basic Information
Display
Data Source
Output Format
Access

Dashboard Resource Settings

Component type: Report Column Summary

Report Column Summary Settings

Report template: BSHSI DS FIND ADMITTED PATIENTS FOR IP RADAR DASHBOARD

Report: BSHSI DS IP In House Clinical Dashboard - Nurse Manager

Use dynamic locations: Login User and Department

Department:

Resources:

| | Resource | Setup |
|---|---|-------|
| 1 | BSHSI DS Patients with Low Braden Score [7771 | OK |
| 2 | BSHSI DS Fall Risk Assessment [7771001784] | OK |
| 3 | | |

- The component type is report column summary
- resources get added on the data source tab

Parameters

Report template: BSHSI DS FIND ADMITTED PATIENTS FOR IP RADAR DASHBOARD

Report: BSHSI DS IP In House Clinical Dashboard - Nurse Manager

Summary: Braden

Summary column: Braden Score

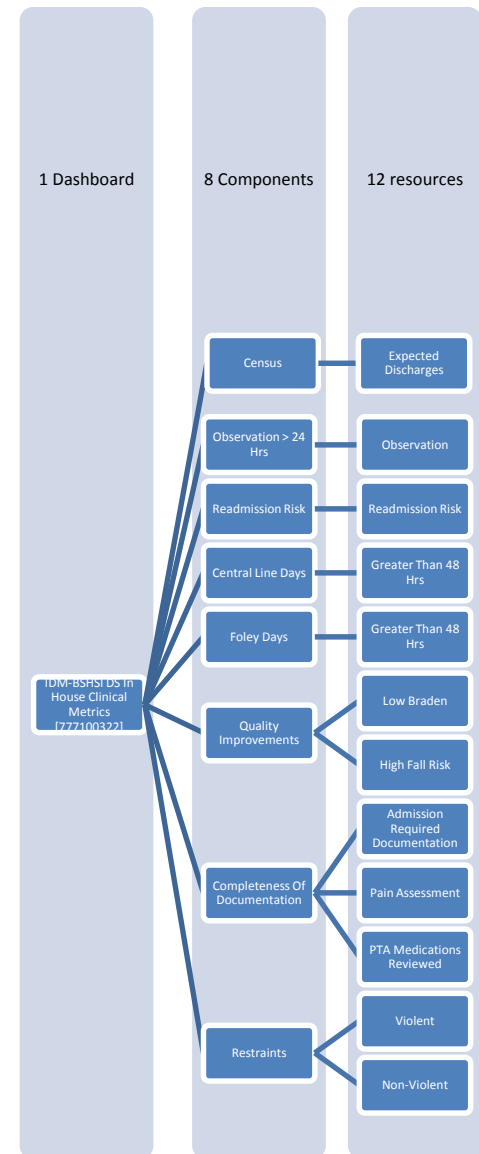
Summary function: Ratio

How the resource record gets configured to display the summary

Basic Information
Parameters
Display

Putting together all the pieces making the Dashboard

- 1 Dashboard (IDM)
- 8 Components (IDB)
- 12 Resources (IDK)

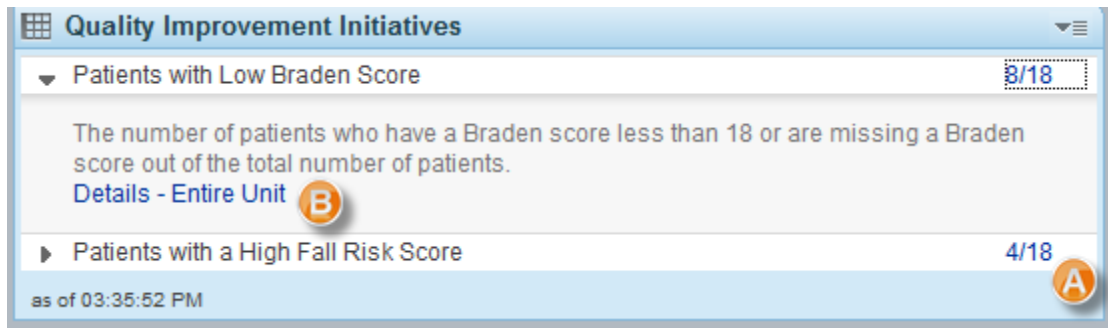


View of completed Dashboard

| Nurse Manager Unit Dashboard | | | ? | | Resize |
|---|--|--|---|--|--------|
| Orders Team Homepage | | | Nurse Manager Unit Dashboard | | |
| Census | | | Central Line Days | | |
| ▶ Expected Discharges 3 | | | ▶ Central Line Greater Than 48 Hours 1/1 | | |
| as of 03:35:51 PM | | | as of 03:35:51 PM | | |
| Observation Patients > 24 Hours | | | Foley Days | | |
| ▶ Observation 1/1 | | | ▶ Foley Greater Than 48 Hours 1/3 | | |
| as of 03:35:51 PM | | | as of 03:35:52 PM | | |
| Readmission Risk | | | Quality Improvement Initiatives | | |
| ▶ Readmission Risk 7/18 | | | ▶ Patients with Low Braden Score 8/18 | | |
| as of 03:35:51 PM | | | ▶ Patients with a High Fall Risk Score 4/18 | | |
| | | | as of 03:35:52 PM | | |
| | | | Completeness of Documentation | | |
| | | | ▶ Admission Required Documentation 17/18 | | |
| | | | ▶ Pain Assessment 0/18 | | |
| | | | ▶ PTA Medications Reviewed 3/18 | | |
| | | | as of 03:35:52 PM | | |
| | | | Restraints | | |
| | | | ▶ Patients on Violent Restraints 0/18 | | |
| | | | ▶ Patients on Non-Violent Restraints 0/18 | | |
| | | | as of 03:35:52 PM | | |

Going the distance making all that data even more meaningful with custom display reports

If a display report is configured in the resource users can click on the numerator/denominator (A) or expand the resource and click the “details” link (B)



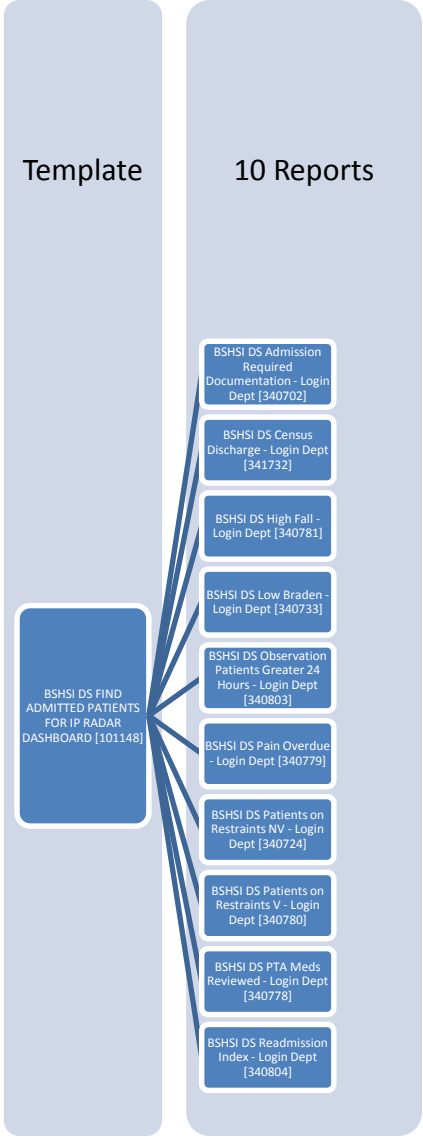
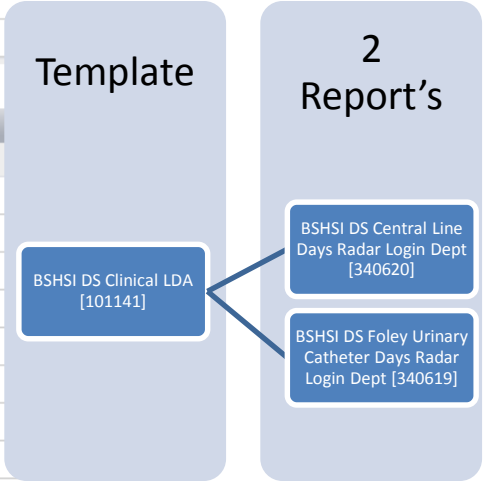
All the little Details

Details - Entire Unit

2 Templates
12 Reports

| BSHSI DS Clinical LDA RADAR | |
|-----------------------------|--|
| Matching reports | |
| ☆ BSHSI DS | Central Line Days Radar Login Dept |
| ☆ BSHSI DS | Foley Urinary Catheter Days Radar Login Dept |

| BSHSI DS FIND IP Patitents Generic - Login Dept | |
|---|--|
| Matching reports | |
| ☆ BSHSI DS | Admission Required Documentation - Login Dept |
| ☆ BSHSI DS | Census - Login Dept |
| ☆ BSHSI DS | Census Discharge - Login Dept |
| ☆ BSHSI DS | Discharge Transfer - Login Dept |
| ☆ BSHSI DS | High Fall - Login Dept |
| ☆ BSHSI DS | Low Braden - Login Dept |
| ☆ BSHSI DS | Observation Patients Greater 24 Hours - Login Dept |
| ☆ BSHSI DS | Pain Overdue - Login Dept |
| ☆ BSHSI DS | Patients on Restraints NV - Login Dept |
| ☆ BSHSI DS | Patients on Restraints V - Login Dept |
| ☆ BSHSI DS | PTA Meds Reviewed - Login Dept |
| ☆ BSHSI DS | Readmission Index - Login Dept |



Reports are Dynamic!!

Adding this LPP to the department parameter on the template

- LPP RW DYN CURRENT LOGIN DEPARTMENT [24941]

Causes the department parameter to automatically be the users current login department.

Create or Edit Parameters for Query

| | Parameter |
|---|-----------------------|
| 1 | DEPARTMENT |
| 2 | DISCHARGEDEPARTMENT |
| 3 | DISCHARGELOOKBACKDAYS |
| 4 | DISCHARGEADTSTATUS |
| 5 | LISTFLO-VALUE |
| 6 | LISTFLO-FLOID |
| 7 | LISTFLO-LOOKBACKHRS |
| 8 | LASTFLO-VALUE |

Basic Additional

Expansion ext:

Prompt master file:

Prompt item:

Dynamic ext: RW DYN CURRENT LOGIN DEF

Default ext:

Details report is added inside the resource record

| | | | |
|-------------------|--|--|--|
| Basic Information | | | |
| Parameters | | | |
| Display | | | |

Reports:

| | Report Template | Report | Display Title |
|---|--------------------------------|---------------------------------|----------------------------------|
| 1 | BSHSI DS FIND IP Patients Gene | BSHSI DS Observation Patients G | Details-All Observation Patients |
| 2 | | | |

If you do not use a custom display report, the system automatically links to the report that is specified in the resource record.

igh Fall - Login Dept [2198734] as of Wed 9/17/2014 4:06 PM

Options ▾

Hospital Chart

Add to Ljst

| Department | Room and Bed | Score | Attending | Admit Dx | Problem |
|-----------------|--------------|-------|----------------|-----------------------------|-----------------------------|
| IGH IN MED SURG | 27-121 | 0 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 1 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 2 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 1 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 4 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 5 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |
| IGH IN MED SURG | 27-121 | 3 | Thomas, Thomas | Acute Myocardial Infarction | Acute Myocardial Infarction |

Details, details, details

The details report gives a overview of the entire unit. Based on what the numerator is (highlighted red and bold) to easily separate them from the rest of the patients on the unit.

*The red txt is an enhancement that hasn't been implemented yet

Default double click action on a line is to open the chart

Facility Level Dashboards in brief

- Do not have the ability to use dynamic locations.
- Consists of 14 separate Dashboards, Components and Reports. That's 42 records!
- Using many batch jobs that start at 4am the facility dashboard is emailed out at 6am to CMO's, CNE's and other Executives.

Sample Email

| Patient Urinary Catheter as of 6:00 AM EDT Distribution | |
|---|---------------|
| Hours Since Insertion | # of Patients |
| Less than 48 Hours | 43 |
| 48 Hours or Greater | 8 |
| Report completed on: 9/17/2014 4:00 AM EDT | |

| Central Line as of 6:00 AM EDT Days | |
|--|---------------|
| Hours Since Insertion | # of Patients |
| Less than 48 Hours | 16 |
| 48 Hours or Greater | 24 |
| Report completed on: 9/17/2014 4:00 AM EDT | |

| Problem List Updated in Last 72 as of 6:00 AM EDT Hours | |
|---|-------------------------------------|
| Current Facility | Percentage of Prob List Updated? |
| | 53.53% |
| Ratio | 53.53% |
| Report completed on: 9/17/2014 4:01 AM EDT | |

| Observation as of 6:00 AM EDT | |
|--|---------------|
| Patient Class | # of patients |
| Observation | 33 |
| < 24 hours | 30 |
| > 24 hours | 1 |
| > 36 hours | 2 |
| Report completed on: 9/17/2014 4:01 AM EDT | |