



Measure Factory Student Guide

Hospital Operations 2.0.1

Measure Factory Student Guide

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Burlington, Massachusetts 01803

Contents

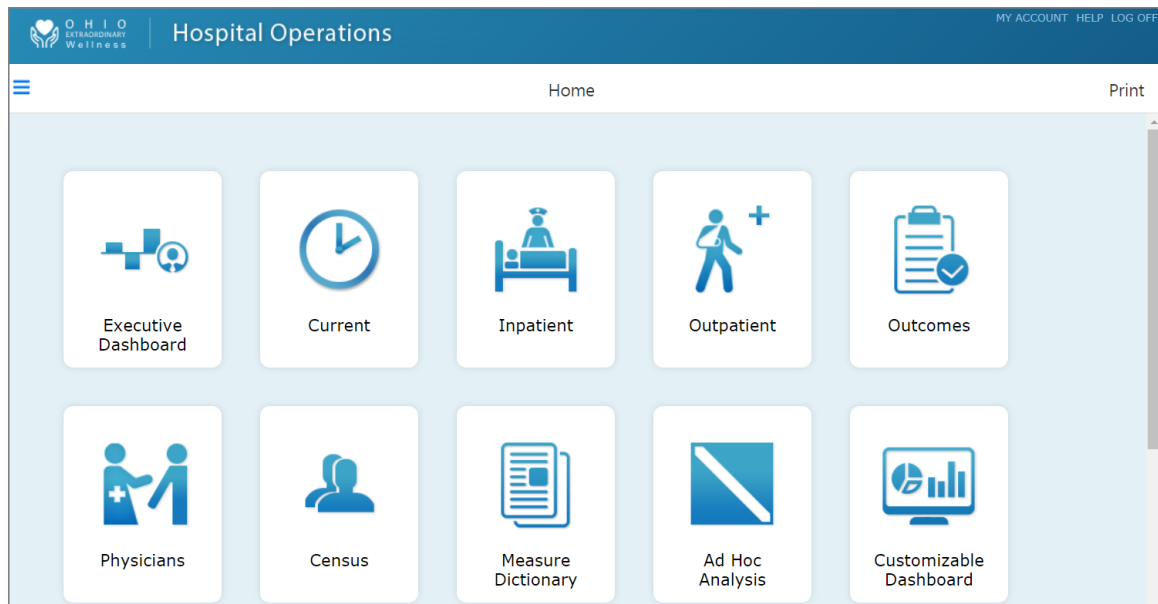
About This Guide	5
The Hospital Operations Dashboards	6
Executive Dashboard	10
Current	14
Current—Working with Today's Data	14
Current—Working with Yesterday's Data	16
Current—Working with Monthly Data	19
Census	21
Census—Working with Current Census Data	21
Census—Working with Past Census Data	25
Census—Working with This Week's Census Data	30
Census—Working with Census Data by Shift	32
Inpatient	35
Inpatient—Working with Overview Data	35
Inpatient—Working with Trended Data	38
Outpatient	42
Outpatient—Working with Overview Data	42
Outpatient—Working with Trended Data	45
Outcomes	49
Outcomes—Working with Data About All Outcomes	49
Outcomes—Working with Readmission Data	51
Outcomes—Working with Mortality Data	56
Outcomes—Working with ALOS Data	60
Physicians	64
Physicians—Working with Data About Many Physicians	64
Physicians—Working with Data About One Physician	65
What Is Diving?	70
Diving on Data	70
The Measure Dictionary	74
Viewing Measure Details	74
Viewing the Rules in a Measure	75
Measure Analysis Options	77
About Default and Custom Analyses	77
Other Analysis Options	78
Analyzing Measure Data	80

Analyzing Measure Data Over Time (Default Analysis)	80
Analyzing Measure Data, Without a Time-Period Comparison (Custom Analysis)	82
Analyzing Measure Data in ProDiver	82
Accessing CMS Specification Reports	84
Measure Factory Data Sets	87

About This Guide

Your organization's Application license provides a standard set of dashboards, which are available through DivePort. This guide explains how to work with the dashboards that are included with the Hospital Operations license.

NOTE: Your Dimensional Insight consultant and DivePort administrators within your organization can modify these dashboards to better suit your needs, so keep in mind that your view might differ from what is shown here.



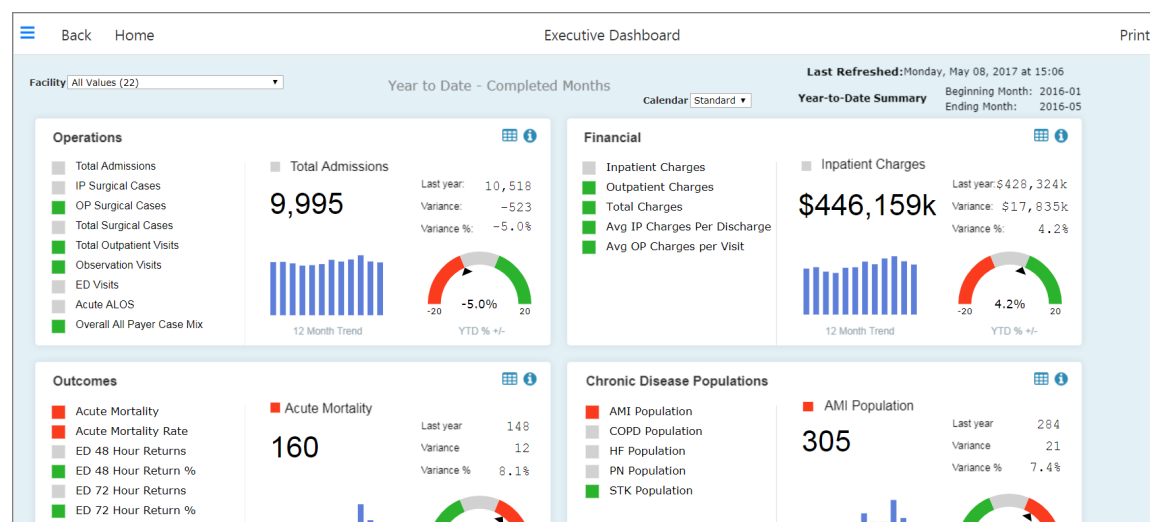
The Hospital Operations Dashboards

The following dashboards are included with your organization's license for Hospital Operations:

Executive Dashboard

Use the **Executive Dashboard** to view current and trended data about business operations, financial charges, outcomes, and chronic disease populations.

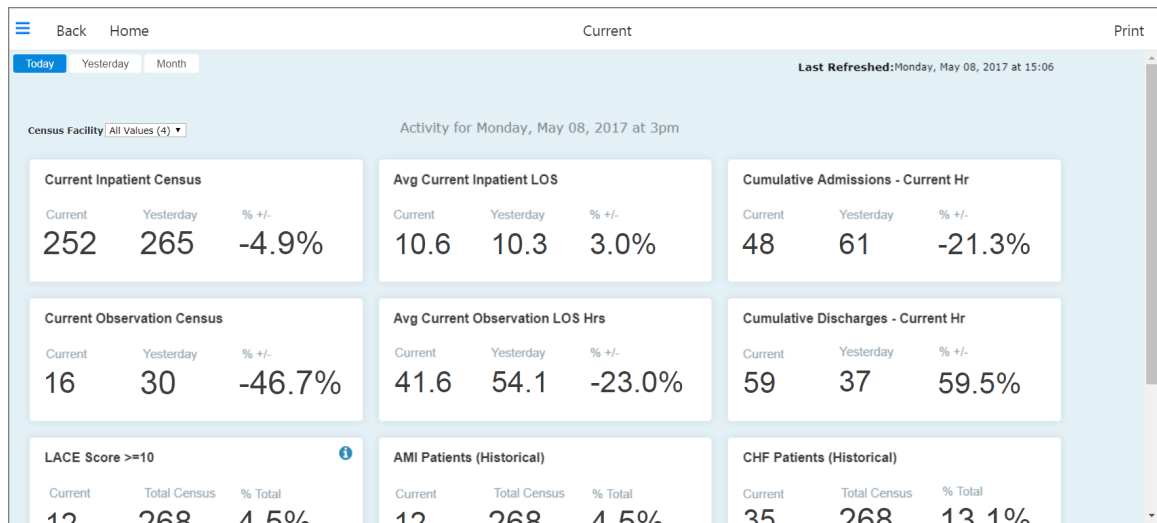
For more information, see [Executive Dashboard on page 10](#).



Current

Use the **Current** page to view data about current and past patient volumes, and identify patients who are at risk for readmission.

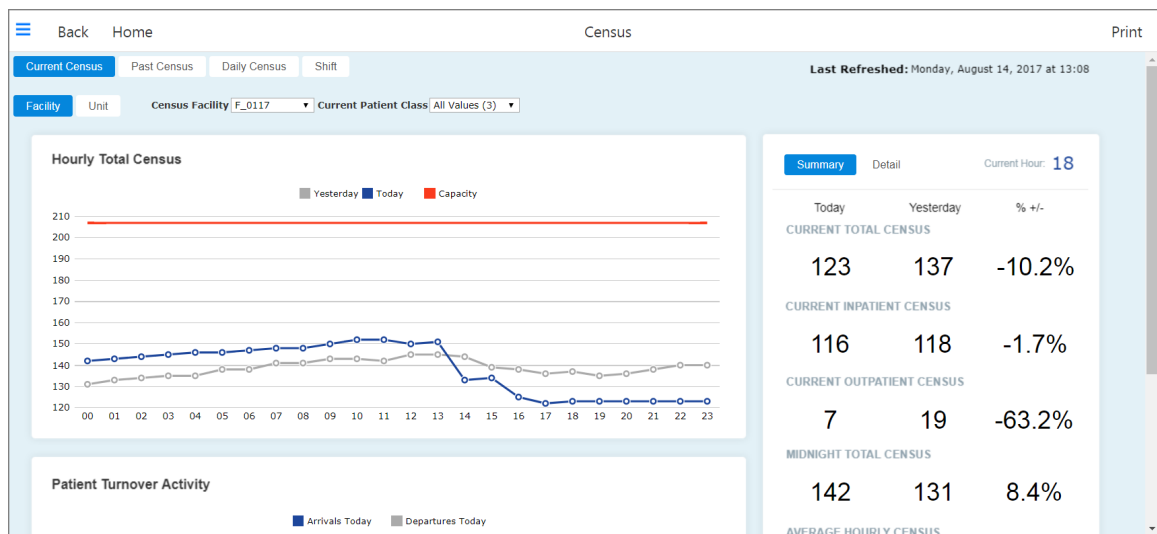
For more information, see [Current on page 14](#).



Census

Use the **Census** page to view hourly and daily census data for a facility or nursing unit, and compare census data over time.

For more information, see [Census on page 21](#).



Inpatient

Use the **Inpatient** page to view current and trended data about inpatient volumes and key indicators.

For more information, see [Inpatient on page 35](#).

Measure Factory

Back

Home

Inpatient

Print

Overview

Trends

Last Refreshed: Monday, May 08, 2017 at 15:06

Facility: All Values (22)

Calendar: Standard

Year-to-Date Summary

Beginning Month: 2016-01

Ending Month: 2016-05

Measures

Volumes

	MONTH TO DATE			CURRENT COMPLETE MONTH			YEAR TO DATE		
	Jun-2016	Jun-2015	% +/-	May-2016	May-2015	% +/-	2016	2015	% +/-
Total Admissions	1,285	1,406	-8.6% ▼	1,913	2,006	-4.6% ▼	9,995	10,518	-5.0% ▼
Acute Admissions	1,160	1,278	-9.2% ▼	1,749	1,832	-4.5% ▼	9,167	9,687	-5.4% ▼
Total Newborns	140	148	-5.4% ▼	199	211	-5.7% ▼	983	983	.0% ▲
Total Discharges	1,301	1,413	-7.9% ▼	1,902	2,086	-8.8% ▼	9,984	10,579	-5.6% ▼
Acute Discharges	1,177	1,285	-8.4% ▼	1,735	1,909	-9.1% ▼	9,152	9,747	-6.1% ▼
ED Admissions	834	857	-2.7% ▼	1,269	1,269	.0% ▲	6,735	6,975	-3.4% ▼
IP Surgical Cases	426	409	4.2% ▲	559	561	-.4% ▼	2,958	3,025	-2.2% ▼
Total Discharge Days	5,816	5,789	.5% ▲	8,203	9,096	-9.8% ▼	43,022	46,851	-8.2% ▼
Acute Discharge Days	5,509	5,528	-.3% ▼	7,874	8,720	-9.7% ▼	41,113	45,046	-8.7% ▼
Normal Newborn Discharge Days	307	261	17.6% ▲	329	376	-12.5% ▼	1,909	1,805	5.8% ▲
Total Patient Days	5,442	6,081	-10.5% ▼	8,164	8,842	-7.7% ▼	43,231	46,727	-7.5% ▼
Acute Patient Days	5,191	5,812	-10.7% ▼	7,811	8,466	-7.7% ▼	41,315	44,930	-8.0% ▼
Normal Newborn Patient Days	251	269	-6.7% ▼	353	376	-6.1% ▼	1,916	1,797	6.6% ▲

Ratios

Overall ALOS	4.47	4.10	9.1% ▲	4.31	4.36	-1.1% ▼	4.31	4.43	-2.7% ▼
Acute ALOS	4.68	4.30	8.8% ▲	4.54	4.57	-.6% ▼	4.49	4.62	-2.8% ▼

Outpatient

Use the **Outpatient** page to view current and trended data about outpatient volumes and key indicators.

For more information, see [Outpatient on page 42](#).

Back

Home

Outpatient

Print

Overview

Trends

Last Refreshed: Thursday, June 23, 2016 05:57

Facility: All Values (4)

Calendar: Standard

Year-to-Date Summary

Beginning Month: 2016-01
Ending Month: 2016-05

Measures

Volumes

Total Outpatient Visits

ED Visits

ED Visits Departed

ED Visits Admitted

ED Visits DC Obs

ED 48 Hour Returns

ED 48 Hour Returns w/ Admit

ED 72 Hour Returns

ED 72 Hour Returns w/ Admit

ED Incomplete Treatment

Observation Visits

Observation Hours

OP Surgical Cases

MONTH TO DATE

Jun-2016

Jun-2015

% +/-

26,338

26,155

.7%

▲

14,496

14,182

2.2%

▲

10,435

10,223

2.1%

▲

2,829

3,039

-6.9%

▼

1,245

908

37.1%

▲

4

4

.0%

▲

1

0

▲

5

5

.0%

▲

1

0

▲

0

0

▲

1,324

1,067

24.1%

▲

65,915

51,275

28.6%

▲

1,855

1,605

15.6%

▲

CURRENT COMPLETE MONTH

May-2016

May-2015

% +/-

39,277

37,077

5.9%

▲

21,239

20,557

3.3%

▲

15,442

14,926

3.5%

▲

4,048

4,590

-11.8%

▼

1,771

1,055

67.9%

▲

11

6

83.3%

▲

3

0

▲

13

6

116.7%

▲

3

0

▲

0

0

▲

1,844

1,424

29.5%

▲

92,057

61,358

50.0%

▲

2,574

2,235

15.2%

▲

YEAR TO DATE

2016

2015

% +/-

196,863

188,911

4.2%

▲

107,163

101,851

5.2%

▲

77,385

74,037

4.5%

▲

21,491

23,362

-8.0%

▼

8,309

4,462

86.2%

▲

38

18

111.1%

▲

5

1

400.0%

▲

41

20

105.0%

▲

5

1

400.0%

▲

0

0

▲

8,908

6,050

47.2%

▲

416,794

263,806

58.0%

▲

12,315

11,374

8.3%

▲

Ratios

ED Visits Admitted %

ED 48 Hour Return %

ED 72 Hour Return %

ED Average Time to Departure

ED Median Time to Departure

0.19

0.21

-9.5%

▼

14.63

19.05

-23.2%

▼

17.07

23.81

-28.3%

▼

183

210

-13.0%

▼

161

161

.0%

▲

0.19

0.22

-14.8%

▼

13.43

16.67

-19.4%

▼

14.93

16.67

-10.4%

▼

199

212

-6.1%

▼

167

169

-1.2%

▼

0.20

0.23

-12.7%

▼

18.10

14.88

21.6%

▲

19.52

16.53

18.1%

▲

222

238

-6.6%

▼

186

188

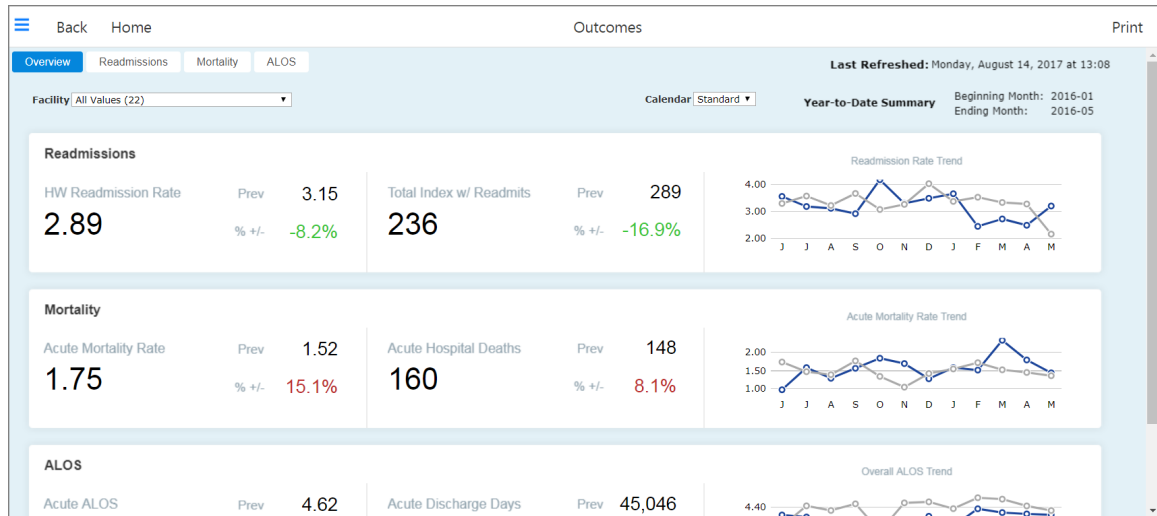
-1.5%

▼

Outcomes

Use the **Outcomes** page to view data about patient outcomes related to readmissions, mortality, and average length of stay for hospital-wide, condition-specific, and procedure-specific populations.

For more information, see [Outcomes on page 49](#).



Physicians

Use the **Physicians** page to view current and trended data about attending provider volume and patient outcomes.

For more information, see [Physicians on page 64](#).

Back Home Physicians Print

Summary Scorecard

Year to Date - Completed Months

Facility: All Values (22) Service: All Values (112) Calendar: Standard Year-to-Date Summary Beginning Month: 2016-01 Ending Month: 2016-05 Last Refreshed: Monday, May 08, 2017 at 15:06

Measures

Attending Provider	TOTAL DISCHARGES			TOTAL DISCHARGE DAYS			OVERALL ALOS		
	Cur	Prev	% +/-	Cur	Prev	% +/-	Cur	Prev	% +/-
Adams, T (PHY 025196)	6	20	-70.0%	32	122	-73.8%	5.33	6.10	-12.6%
Aquilar, J (PHY 002842)	8	3	166.7%	17	6	183.3%	2.12	2.00	6.2%
Aquirre, D (PHY 000803)	8	24	-66.7%	14	47	-70.2%	1.75	1.96	-10.6%
Alexander, B (PHY 025230)	11	7	57.1%	23	24	-4.2%	2.09	3.43	-39.0%
Alford, C (PHY 003655)	56	112	-50.0%	268	432	-38.0%	4.79	3.86	24.1%
Alvarez, L (PHY 005012)	3	0		8			2.67		
Anderson, Y (PHY 001376)	1	3	-66.7%	1	7	-85.7%	1.00	2.33	-57.1%
Anthony, B (PHY 019510)	2	6	-66.7%	6	27	-77.8%	3.00	4.50	-33.3%
Armstrong, C (PHY 005213)	19	0		65			3.42		
Arnold, W (PHY 003515)	2	4	-50.0%	7	13	-46.2%	3.50	3.25	7.7%
Ashley, G (PHY 005267)	12	0		65			5.42		
Austin, K (PHY 004117)	9	0		21			2.33		
Avila, V (PHY 004978)	25	0		148			5.92		
Bailey, S (PHY 000672)	19	23	-17.4%	41	47	-12.8%	2.16	2.04	5.6%
Baird, D (PHY 000579)	7	8	-12.5%	12	8	50.0%	1.71	1.00	71.4%
Ball, R (PHY 025221)	4	4	.0%	10	15	-33.3%	2.50	3.75	-33.3%
Banks, F (PHY 003089)	1	0		1			1.00		

Executive Dashboard



Go to the dashboard and adjust your view

1. On the home page, click **Executive Dashboard**.
2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
3. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
4. In the **Calendar** pull-down menu, choose one of the following:
 - **Standard**, if you want to view data beginning with January of the current year
 - **Fiscal**, if you want to view data beginning with the first month in your organization's fiscal calendar

On the right, the **Year-to-Date Summary** updates based on your selection.

Review the data

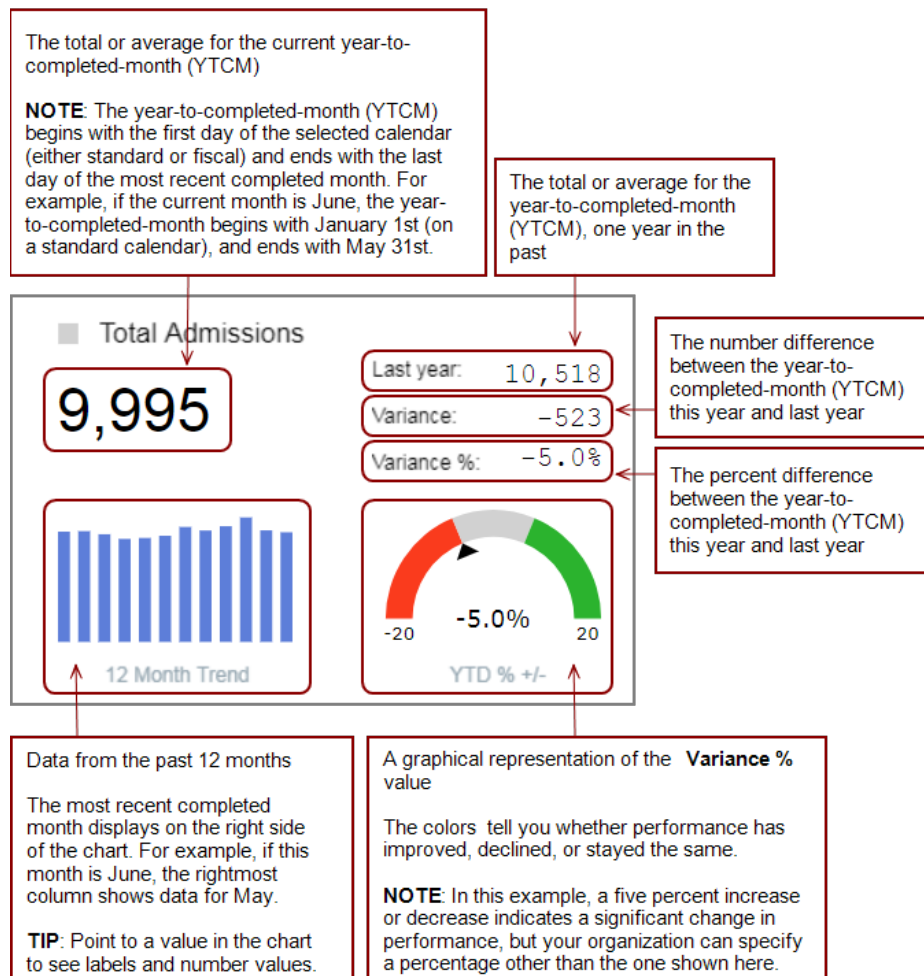
1. Each section of the page includes a list of measures on the left. Click a measure to view its data on the right.

The label above the data tells you which measure is selected.

TIP: The color to the left of the measure indicates whether performance has improved, declined, or stayed the same.



2. On the right, note the values:



Analyze the data

Choose the data that you want to analyze:

Data from a selected month, compared to the same month last year

1. Click the measure with the data you want to analyze.

The measure's data displays on the right.

2. On the bar chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

3. Note the date range:

- The **Current** column shows data from the selected month.
- The **Previous** column shows data from the same month, one year in the past.

4. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current year-to-completed-month (YTCM), compared to the same time-period last year

1. Click the measure with the data you want to analyze.

The measure's data displays on the right.

2. Below the measure name, click the value for the current year-to-completed-month (YTCM).

The **Default Analysis** page opens.

3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. Click the measure with the data you want to analyze.

The measure's data displays on the right.

2. To the upper right of the measure name, click the **Analysis** icon .


The **Measure Overview** page opens.

3. Do one of the following:

- Analyze how the data has changed over time (default analysis)
- Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. Click the measure whose definition you want to view.
2. To the upper right of the measure name, click the **Analysis** icon .

The **Measure Overview** page opens.

3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	<p>The syntax used to generate the measure:</p> <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

Current

On the **Current** page, you can choose whether to work with data from today, yesterday, or a particular month:

- [Current—Working with Today's Data below](#)
- [Current—Working with Yesterday's Data on page 16](#)
- [Current—Working with Monthly Data on page 19](#)

Back

Home

Current

Print

TodayYesterdayMonth

Last Refreshed: Monday, May 08, 2017 at 15:06

Census FacilityAll Values (4)

Activity for Monday, May 08, 2017 at 3pm

Current Inpatient Census

Current	Yesterday	% +/-
252	265	-4.9%

Avg Current Inpatient LOS

Current	Yesterday	% +/-
10.6	10.3	3.0%

Cumulative Admissions - Current Hr

Current	Yesterday	% +/-
48	61	-21.3%

Current Observation Census

Current	Yesterday	% +/-
16	30	-46.7%

Avg Current Observation LOS Hrs

Current	Yesterday	% +/-
41.6	54.1	-23.0%

Cumulative Discharges - Current Hr

Current	Yesterday	% +/-
59	37	59.5%

LACE Score >=10

Current	Total Census	% Total
12	268	4.5%

AMI Patients (Historical)

Current	Total Census	% Total
12	268	4.5%

CHF Patients (Historical)

Current	Total Census	% Total
35	268	13.1%

Current—Working with Today's Data

Go to the dashboard and adjust your view

1. On the home page, click **Current**.

The **Current** page opens with the **Today** tab selected.

2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.

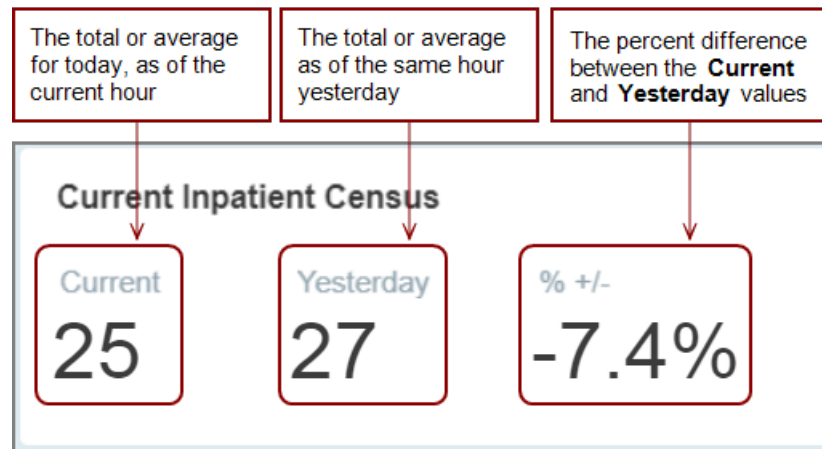
TIP: The data on this page is taken from the current census and is updated every hour.

3. In the **Census Facility** pull-down menu, choose whether to view data for all census facilities or one census facility.

Review the data

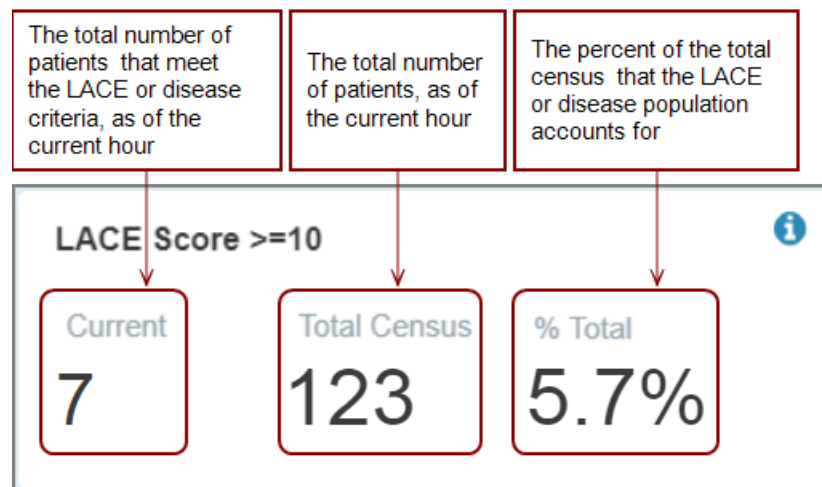
- In the top two rows, you can review data about census.

Note the values:



- In the bottom two rows, you can review data about patients who have a high **LACE¹** score or who have a history of chronic disease.

Note the values:



TIP: To see criteria for calculating LACE scores, click the **Information** icon  in the upper right.

¹A scoring system used to estimate likelihood of readmission

View details about patients

1. Click the value with the patient details that you want to view.

For example, below **Current Inpatient Census**, you might click the **Current** value to view details about the inpatients that were admitted as of the current hour.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

Current—Working with Yesterday's Data

Go to the dashboard and adjust your view

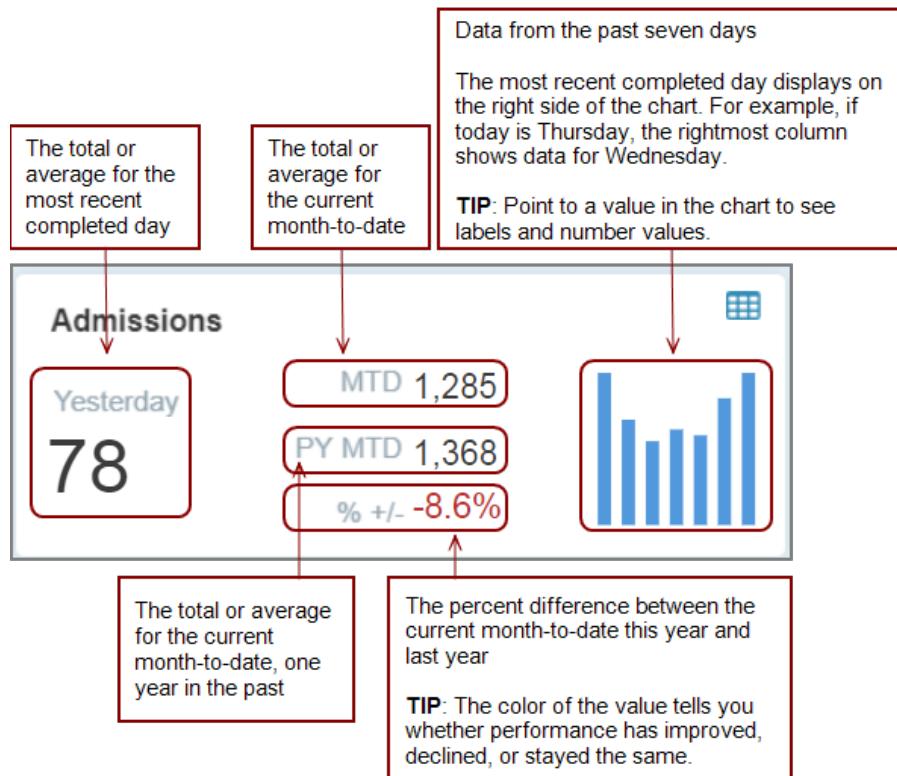
1. On the home page, click **Current**.

The **Current** page opens.

2. In the upper left, click the **Yesterday** tab.
3. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.

Review the data

Note the values:



Analyze the data

Choose the data that you want to analyze:

Yesterday's data, compared to the day before

1. Find the measure that you want to work with, and click the **Yesterday** value.

The **Default Analysis** page opens.

2. Note the date range:
 - The **Current Complete Day** column shows data from yesterday.
 - The **Previous Complete Day** column shows data from the day before yesterday.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from a selected day this week, compared to the same day last week

1. Find the measure that you want to work with, and—in the chart—click the value with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Table** page opens.

2. Note the date range:
 - The **Current** column shows data from the selected day of the week.
 - The **Previous** column shows data from the same day, one week in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current month-to-date, compared to the same time-period last year

1. Find the measure that you want to work with, and click the **MTD** or **PY MTD** values.

The **Default Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison


1. Find the measure that you want to work with, and click the **Analysis** icon .

The **Measure Overview** page opens.

2. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. Find the measure whose definition you want to view, and click the **Analysis** icon .

The **Measure Overview** page opens.

2. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents

Label	Description
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic
More Details	Additional details: <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

Current—Working with Monthly Data

Go to the dashboard and adjust your view

1. On the home page, click **Current**.
The **Current** page opens.
2. In the upper left, click the **Month** tab.
3. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
5. In the **Year-Month** pull-down menu, select the time-period with the data you want to view.

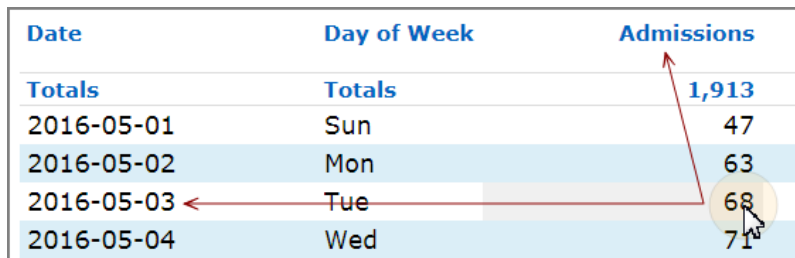
Review the data

- On the left, the **Date** column shows the dates that fall within the selected time-period.
TIP: To sort a column, click the column header.
- The columns on the right display measure data.

Analyze the data

To analyze measure data for a selected date:

- In the table, click the value that you want to analyze.



Date	Day of Week	Admissions
Totals	Totals	1,913
2016-05-01	Sun	47
2016-05-02	Mon	63
2016-05-03	Tue	68
2016-05-04	Wed	71

The **Default Measure Analysis** page opens.

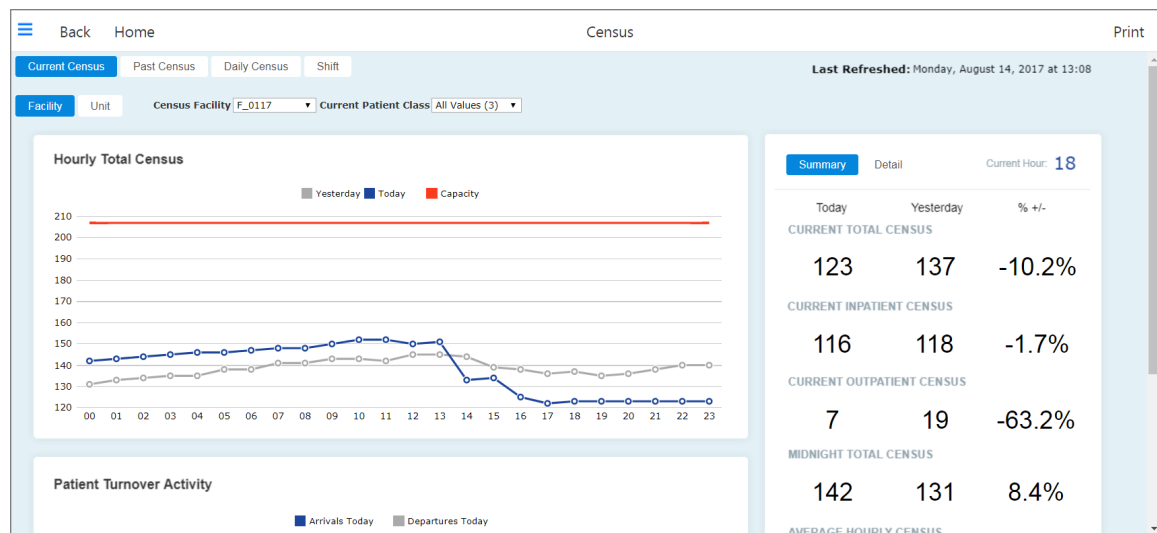
- Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Census

On the **Census** page, you can choose whether to work with current census data, past census data, this week's census data, or census data by shift:

- [Census—Working with Current Census Data below](#)
- [Census—Working with Past Census Data on page 25](#)
- [Census—Working with This Week's Census Data on page 30](#)
- [Census—Working with Census Data by Shift on page 32](#)



Census—Working with Current Census Data

Go to the dashboard and adjust your view

1. On the home page, click **Census**.
The **Census** page opens with the **Current Census** tab selected.
2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
TIP: The values on this page are updated every hour.
3. On the right, note the **Current Hour**.

This page displays data from the most recent completed hour. For example, if it is 10:01 a.m., the data is from 9:00 a.m. through 10:00 a.m., and the **Current Hour** displays as 9.

4. On the left, select one of the following:
 - **Facility**, if you want to view data for a facility
 - **Unit**, if you want to view data for a nursing unit
5. In the **Census Facility** pull-down menu, choose whether to view data for all census facilities or one census facility.
6. If you are viewing data for a nursing unit, select a location code in the **Census Location Code** pull-down menu.
7. In the **Current Patient Class** pull-down menu, choose whether to view data for all patients, inpatients, or observation patients.

Review the data

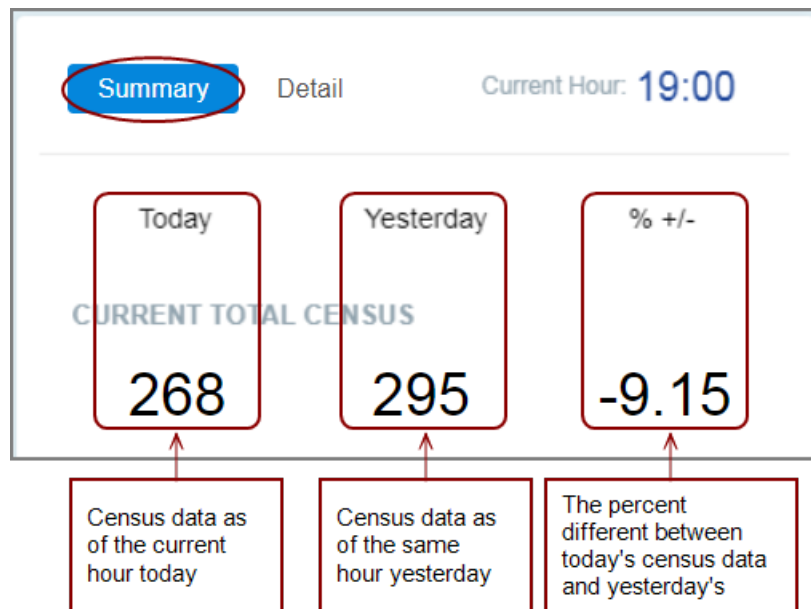
On the left, you can review graphical data about today's census:

- The **Hourly Total Census** chart shows the census for each hour today and yesterday, compared to the facility or unit capacity.
- The **Patient Turnover Activity** chart shows the number of patients that arrived and departed during each hour of today.

On the right, you can review numeric census data:

- Make sure **Summary** is selected.

Note the values:



- If you are viewing data for a facility, click **Detail**.

Note the values:

Summary **Detail** Current Hour: 18

CURRENT TOTAL CENSUS

Today	Yesterday	% +/-
1,099	1,132	-2.9%

Census data as of the current hour today, the same hour yesterday, and the percent difference

CURRENT UNIT DETAIL

Census Location	Current		Midnight		Avg
	INP	OB	INP	OB	
Totals	867	232	916	280	1,160
CER	1	26	2	27	24
GER	3	33	6	48	29
HER		26	3	29	23

Current and midnight census data for inpatients and observation patients at each census location

TIP: To sort a column, click the column header.

View details about patients

Choose the patients whose details you want to view:

Patients that were on the census during a particular hour today or yesterday

- In the **Hourly Total Census** chart, click the hour with the data you want to view, and select one of the following:
 - Patient Detail-Today**, if you want to view details about today's patients for the selected hour
 - Patient Detail-Yesterday**, if you want to view details about yesterday's patients for the selected hour

A **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

Patients that arrived or departed today, during a particular hour

1. In the **Patient Turnover Activity** chart, click the hour with the data you want to view, and select one of the following:
 - **Patient Turnover Arrival-Today**, if you want to view details about patients that arrived during the selected hour
 - **Patient Turnover Departure-Today**, if you want to view details about patients that departed during the selected hour

A **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

Patients that were on the census as of the current hour today, or the same hour yesterday

1. On the right, make sure **Summary** is selected.
2. Do one of the following:
 - To view details about patients as of the current hour today, click a value in the **Today** column.
 - To view details about patients as of the same hour yesterday, click a value in the **Yesterday** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

3. Along the top of the page, you can use the pull-down menus to adjust your view.

Inpatients or observation patients that were on the census at a particular location, as of the current hour today or through midnight yesterday

1. On the left, make sure **Facility** is selected, and adjust your view as needed.
2. On the right, click **Detail**.
3. In the **Current Unit Detail** table, do one of the following:
 - To view details about inpatients or observation patients as of the current hour today, click a value in the **Current** column.
 - To view details about inpatients or observation patients through midnight yesterday, click a value in the **Midnight** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

4. Along the top of the page, you can use the pull-down menus to adjust your view.

Census—Working with Past Census Data

Go to the dashboard and adjust your view

1. On the home page, click **Census**.
The **Census** page opens.
2. In the upper left, click the **Past Census** tab.
3. In the **Census Date** pull-down menu, select the date with the data you want to view.
4. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.

TIP: The values on this page are updated every hour.

5. On the right, note the **Current Hour**.

This page displays data from the most recent completed hour, on the selected date. For example, if it is 10:01 a.m., the data is from 9:00 a.m. through 10:00 a.m., and the **Current Hour** displays as 9.

6. On the left, select one of the following:
 - **Facility**, if you want to view data for a facility
 - **Unit**, if you want to view data for a nursing unit
7. In the **Census Facility** pull-down menu, choose whether to view data for all census facilities or one census facility.
8. If you are viewing data for a nursing unit, select a location code in the **Census Location Code** pull-down menu.
9. In the **Current Patient Class** pull-down menu, choose whether to view data for all patients, inpatients, or observation patients.

Review the data

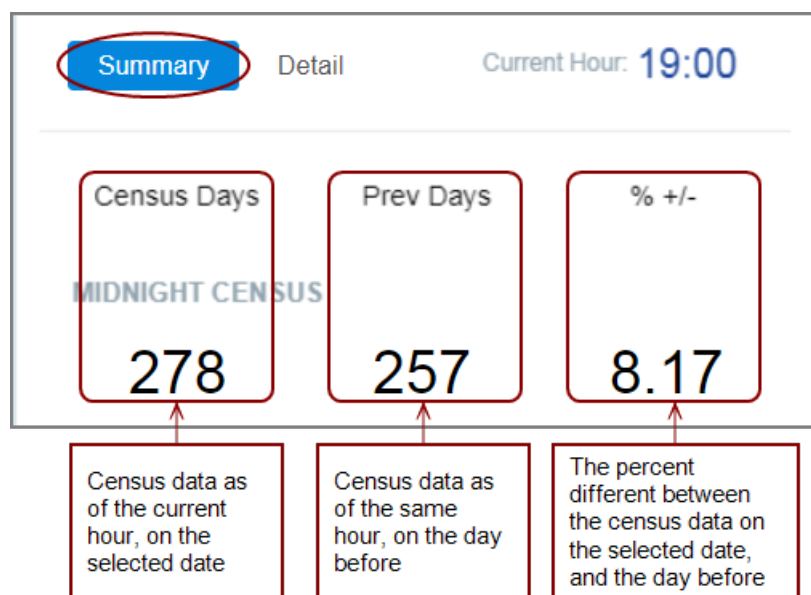
On the left, you can review graphical data about the census on the selected date:

- The **Hourly Total Census** chart shows the hourly census for the selected date and the day before, compared to the facility or unit capacity.
- The **Patient Turnover Activity** chart shows the number of patients that arrived and departed during each hour on the selected date.

On the right, you can review numeric census data:

- Make sure **Summary** is selected.

Note the values:



- If you are viewing data for a facility, click **Detail**.

Note the values:

Summary	Detail	Current Hour: 18
CURRENT TOTAL CENSUS		
Today	Yesterday	% +/-
1,132	1,114	1.6%
CURRENT UNIT DETAIL		
	Current	
	INP	OB
	Midnight	
	INP	OB
	Avg	
Census Location		
Totals	881	251
CER	3	21
GER	6	28
HER	3	28
LER	2	22
LW 1 CD	2	2
LW 1 DA		
LW 2 PEDS	4	1
LW 2 PICU	5	7
CENSUS SUMMARY		
Measure	Value	
Hourly Admissions	229	
Hourly Discharges	224	
Avg IP Census	897.2	

Census data as of the current hour on the selected date, the same hour the day before, and the percent difference

Data for the current hour on the selected date and through midnight the day before, for inpatients and observation patients at each census location

TIP: To sort a column, click the column header.

The number of patients that were on the census as of midnight on the selected date, for various measures

View details about patients

NOTE: You can view a patient's information only as it stands today. For example, if today is June 5th and you are viewing data from June 2nd, a patient that was admitted on June 1st has a length of stay (LOS) of 4 days, even though their LOS was only 1 day on the selected date.

Choose the patients whose details you want to view:

Patients that were on the census during a particular hour on the selected date or the day before

- In the **Hourly Total Census** chart, click the hour with the data you want to view, and select one of the following:
 - Patient Detail-Today**, if you want to view details about patients that were on the census, during the selected date and hour
 - Patient Detail-Yesterday**, if you want to view details about patients that were on the census the day before, during the selected hour

A **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation

patient. These patients do not necessarily meet the CMS criteria for readmission.

- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

Patients that arrived or departed on the selected date, during a particular hour

1. In the **Patient Turnover Activity** chart, click the hour with the data you want to view, and select one of the following:
 - **Patient Turnover Arrival-Today**, if you want to view details about patients that arrived on the selected date and hour
 - **Patient Turnover Departure-Today**, if you want to view details about patients that departed on the selected date and hour

A **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

Patients that were on the census, as of the current hour on the selected date or the same hour the day before

1. On the right, make sure **Summary** is selected.
2. Do one of the following:
 - To view details about patients as of the current hour on the selected date, click a value in the **Census Days** column.
 - To view details about patients from the same hour the day before, click a value in the **Prev Days** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the

census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.

- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

3. Along the top of the page, you can use the pull-down menus to adjust your view.

Inpatients or observation patients that were on the census at a particular location, as of the current hour on the selected date or through midnight the day before

1. On the left, make sure **Facility** is selected, and adjust your view as needed.
2. On the right, click **Detail**.
3. In the **Current Unit Detail** table, do one of the following:
 - To view details about inpatients or observation patients as of the current hour on the selected date, click a value in the **Current** column.
 - To view details about inpatients or observation patients through midnight the day before, click a value in the **Midnight** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

4. Along the top of the page, you can use the pull-down menus to adjust your view.

Patients that were on the census as of midnight on the selected day, for a particular measure

1. On the left, make sure **Facility** is selected, and adjust your view as needed.
2. On the right, click **Detail**.
3. In the **Census Summary** area, click the value with the patient details that you want to view.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

4. Along the top of the page, you can use the pull-down menus to adjust your view.

Census—Working with This Week's Census Data

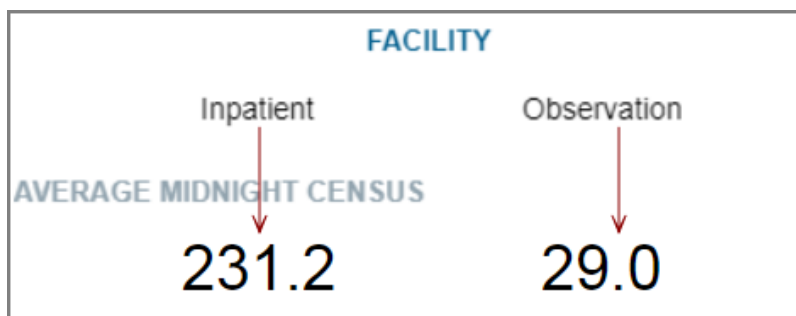
Go to the dashboard and adjust your view

1. On the home page, click **Census**.
The **Census** page opens.
2. In the upper left, click the **Daily Census** tab.

Review the data

To review data for a facility:

1. In the **Facility** area, choose whether to view data for all census facilities or one census facility from the **Census Facility** pull-down menu.
 2. Review the data:
 - The **Daily Census By Facility** chart shows the average, maximum, and minimum census for the past seven days, compared to the capacity for the facility.
- TIP:** Point to a value in the chart to see labels and number values.
- On the right, you can view number data about the inpatients and observation patients at the facility.

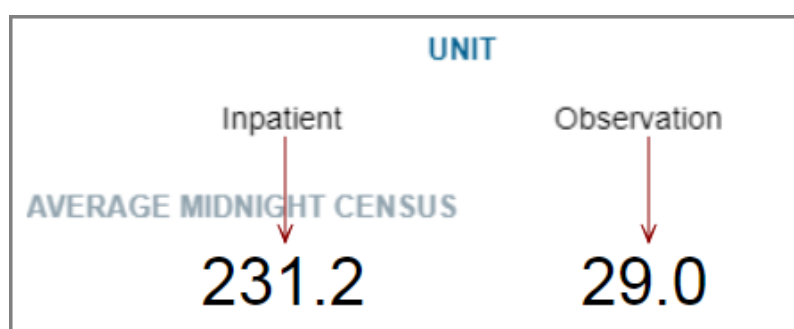


To review data for a nursing unit:

1. In the **Unit** area, choose whether to view data for all census facilities or one census facility from the **Census Facility** pull-down menu.
2. In the **Census Location Code** pull-down menu, choose whether to view data for all nursing units or one nursing unit.
3. Review the data:
 - The **Daily Census By Unit** chart shows the average, maximum, and minimum census for the past seven days, compared to the total capacity for the nursing unit.

TIP: Point to a value in the chart to see labels and number values.

 - On the right, you can view number data about the inpatients and observation patients that are in the census location.



View details about patients

Choose the patients whose details you want to view:

Inpatients or observation patients from the past seven days, by facility

1. On the right of the **Facility** area, do one of the following:
 - To view details about inpatients, click a value in the **Inpatient** column.
 - To view details about observation patients, click a value in the **Observation** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, make sure that the pull-down menus display the values you expect:
 - **Census Facility**—Select the facility with the data you want to view.
 - **Census Location Code**—To view data about patients within the entire facility, select **All Values**.

Inpatients or observation patients from the past seven days, by nursing unit

1. On the right of the **Unit** area, do one of the following:
 - To view details about inpatients, click a value in the **Inpatient** column.
 - To view details about observation patients, click a value in the **Observation** column.

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.
- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, make sure that the pull-down menus display the values you expect:
 - **Census Facility**—Select the facility where the nursing unit is located.
 - **Census Location Code**—Select the census location with the patient data that you want to view.

Census—Working with Census Data by Shift

Go to the dashboard and adjust your view

1. On the home page, click **Census**.

The **Census** page opens.
2. In the upper left, click the **Shift** tab.
3. On the left, choose one of the following:

- **8-Hour**, if you want to view data across three eight-hour shifts
 - **12-Hour**, if you want to view data across two twelve-hour shifts
4. In the **Census Facility** pull-down menu, choose whether to view data for all census facilities or one census facility.
 5. In the **Shift Date** pull-down menu, select the date with the data you want to view.

Review the data

- For each shift, you can view data by census location.
- The **Arrivals** and **Departures** columns are useful for determining the level of activity in each census location, during a particular time of day.

Shift Hours: 7:00-15:00 Shift 1						
Census Location	Begin Census	End Census	Avg Census	Arrivals	Departures	
Totals	27	29	29.8	5	3	
SH 2ORTHO	5	5	5.3	0	1	
SH 4N	5	4	4.8	0	1	
SH 2W	4	5	4.8	1	0	
SH 3N PCU	3	4	3.4	0	0	

TIP: To sort a column, click the column header.

View details about patients

To view details about patients that were on the census during a particular time of day, within a certain census location:

1. Find the shift with the patient details that you want to view, and click the value that you want to see more information about.

Shift Hours: 15:00-23:00		
Census Location	Begin Census	End C
Totals	268	
LER	1	
LW 1 CD	7	
LW 2 PEDS	3	
LW 2 PICU	1	

The **Patient Detail** page opens. Note the following:

- A **Y** value in the **OBS** column means that the patient is under observation.
- A **Y** value in the **Readmit** column means that the patient has been on the

census within the past 30 days, either as an inpatient or an observation patient. These patients do not necessarily meet the CMS criteria for readmission.

- The data in the **LOS** column is updated every hour.

TIP: You can identify patients that are at risk for readmission, by sorting the **LACE** column in descending order. To sort a column, click the column header.

2. Along the top of the page, you can use the pull-down menus to adjust your view.

- [Inpatient—Working with Overview Data below](#)
- [Inpatient—Working with Trended Data on page 38](#)

Inpatient—Working with Overview Data

- **Standard**, if you want to view data beginning with January of the current year
- **Fiscal**, if you want to view data beginning with the first month in your organization's fiscal calendar

Inpatient

Review the data

- The **Month to Date** area shows data for the current month-to-date this year, compared to the same time-period last year.
- The **Current Complete Month** area shows data for the most recent completed month, compared to same month last year.
- The **Year to Date** area shows data for the current year-to-completed-month (YTCM), compared to the same time-period last year.

NOTE: The year-to-completed-month (YTCM) begins with the first day of the selected calendar (either standard or fiscal) and ends with the last day of the most recent completed month. For example, if the current month is June, the year-to-completed-month begins with January 1st (on a standard calendar), and ends with May 31st.

TIP: To the right of each time-period comparison, indicators show whether performance has improved, declined, or stayed the same.

Analyze the data

Choose the data that you want to analyze:

Data from the current month-to-date, compared to the same time-period last year

1. In the **Month to Date** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the most recent completed month, compared to the same month last year

1. In the **Current Complete Month** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current year-to-completed-month (YTCM), compared to the same time-period last year

1. In the **Year to Date** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. On the left, click the measure with the data you want to analyze
The **Measure Overview** page opens.
2. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. On the left, click the measure whose definition you want to view.
The **Measure Overview** page opens.
2. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

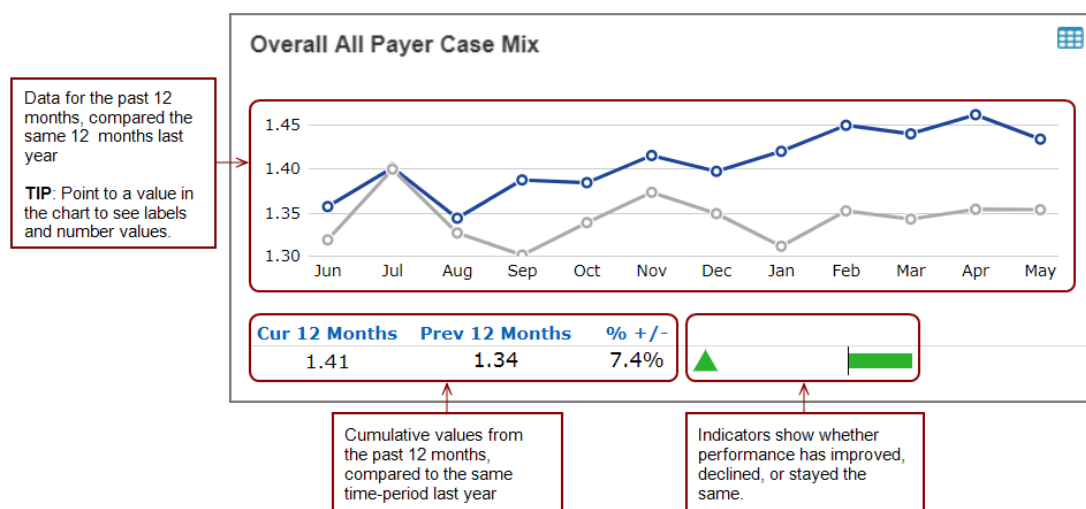
Inpatient—Working with Trended Data

Go to the dashboard and adjust your view

1. On the home page, click **Inpatient**.
The **Inpatient** page opens.
2. In the upper left, click the **Trends** tab.
3. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.

Review the data

Note the values:



Analyze the data

Choose the data that you want to analyze:

Data from a selected month, compared to the same month last year

1. In a chart, click the month with the data you want to analyze.

The **Default Analysis** page opens.

2. Note the date range:

- The **Current** column shows data from the selected month.
- The **Previous** column shows data from the same month, one year in the past.

3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Cumulative data from the past 12 months, compared to the same time-period last year

1. Below a chart, click the value for the current or previous 12 months.

NOTE: Make sure that the entire row is selected, rather than the column.

Cur 12 Months	Prev 12 Months	% +/-
23,176	23,357	-0.8%


The **Default Analysis** page opens.

2. Note the date range:

- The **Current Rolling Year by Month** column shows cumulative data from the past 12 months.
 - The **Previous Rolling Year by Month** column shows cumulative data from the same 12 months, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison


1. Locate the measure with the data you want to analyze, and—on the right—click the **Analysis** icon .

The **Measure Overview** page opens.

2. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. Locate the measure whose definition you want to view, and click the **Analysis** icon .

The **Measure Overview** page opens.

2. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p data-bbox="558 264 792 300">Additional details:</p> <ul data-bbox="607 317 1404 823" style="list-style-type: none"><li data-bbox="607 317 1404 436">• Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file.<li data-bbox="607 447 1404 567">• Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance.<li data-bbox="607 577 1404 737">• View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID.<li data-bbox="607 747 1404 823">• Data Set—The data structure that supplies the values for the measure

- Outpatient—Working with Overview Data below
- Outpatient—Working with Trended Data on page 45

Back

Home

Outpatient

Print

Overview

Trends

Last Refreshed: Thursday, June 23, 2016 05:57

Facility

All Values (4)

Calendar

Standard

Year-to-Date Summary

Beginning Month: 2016-01

Ending Month: 2016-05

Measures

Volumes

Total Outpatient Visits

ED Visits

ED Visits Departed

ED Visits Admitted

ED Visits DC Obs

ED 48 Hour Returns

ED 48 Hour Returns w/ Admit

ED 72 Hour Returns

ED 72 Hour Returns w/ Admit

ED Incomplete Treatment

Observation Visits

Observation Hours

OP Surgical Cases

Ratios

ED Visits Admitted %

ED 48 Hour Return %

ED 72 Hour Return %

ED Average Time to Departure

ED Median Time to Departure

MONTH TO DATE

Jun-2016

Jun-2015

% +/-

26,338

26,155

.7%

▲

14,496

14,182

2.2%

▲

10,435

10,223

2.1%

▲

2,829

3,039

-6.9%

▼

1,245

908

37.1%

▲

4

4

.0%

▲

1

0

▲

5

5

.0%

▲

1

0

▲

0

0

▲

1,324

1,067

24.1%

▲

65,915

51,275

28.6%

▲

1,855

1,605

15.6%

▲

0.19

0.21

-9.5%

▼

14.63

19.05

-23.2%

▼

17.07

23.81

-28.3%

▼

183

210

-13.0%

▼

161

161

.0%

▲

CURRENT COMPLETE MONTH

May-2016

May-2015

% +/-

39,277

37,077

5.9%

▲

21,239

20,557

3.3%

▲

15,442

14,926

3.5%

▲

4,048

4,590

-11.8%

▼

1,771

1,055

67.9%

▲

11

6

83.3%

▲

3

0

▲

13

6

116.7%

▲

3

0

▲

0

0

▲

1,844

1,424

29.5%

▲

92,057

61,358

50.0%

▲

2,574

2,235

15.2%

▲

0.19

0.22

-14.8%

▼

13.43

16.67

-19.4%

▼

14.93

16.67

-10.4%

▼

199

212

-6.1%

▼

167

169

-1.2%

▼

YEAR TO DATE

2016

2015

% +/-

196,863

188,911

4.2%

▲

107,163

101,851

5.2%

▲

77,385

74,037

4.5%

▲

21,491

23,362

-8.0%

▼

8,309

4,462

86.2%

▲

38

18

111.1%

▲

5

1

400.0%

▲

41

20

105.0%

▲

5

1

400.0%

▲

0

0

▲

8,908

6,050

47.2%

▲

416,794

263,806

58.0%

▲

12,315

11,374

8.3%

▲

0.20

0.23

-12.7%

▼

18.10

14.88

21.6%

▲

19.52

16.53

18.1%

▲

222

238

-6.6%

▼

186

188

-1.5%

▼

Outpatient—Working with Overview Data

Go to the dashboard and adjust your view

1. On the home page, click **Outpatient**.
The **Outpatient** page opens with the **Overview** tab selected.
2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
3. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
4. In the **Calendar** pull-down menu, choose one of the following:
 - **Standard**, if you want to view data beginning with January of the current year
 - **Fiscal**, if you want to view data beginning with the first month in your

organization's fiscal calendar

On the right, the **Year-to-Date Summary** updates based on your selection.

Review the data

- The **Month to Date** area shows data for the current month-to-date this year, compared to the same time-period last year.
- The **Current Complete Month** area shows data for the most recent completed month, compared to same month last year.
- The **Year to Date** area shows data for the current year-to-completed-month (YTCM), compared to the same time-period last year.

NOTE: The year-to-completed-month (YTCM) begins with the first day of the selected calendar (either standard or fiscal) and ends with the last day of the most recent completed month. For example, if the current month is June, the year-to-completed-month begins with January 1st (on a standard calendar), and ends with May 31st.

TIP: To the right of each time-period comparison, indicators show whether performance has improved, declined, or stayed the same.

Analyze the data

Choose the data that you want to analyze:

Data from the current month-to-date, compared to the same time-period last year

1. In the **Month to Date** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the most recent completed month, compared to the same month last year

1. In the **Current Complete Month** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current year-to-completed-month (YTCM), compared to the same time-period last year

1. In the **Year to Date** area, click the value you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. On the left, click the measure with the data you want to analyze

The **Measure Overview** page opens.

2. Do one of the following:

- Analyze how the data has changed over time (default analysis)
- Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. On the left, click the measure whose definition you want to view.

The **Measure Overview** page opens.

2. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none">• Calculation—An operation used to produce a value• Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

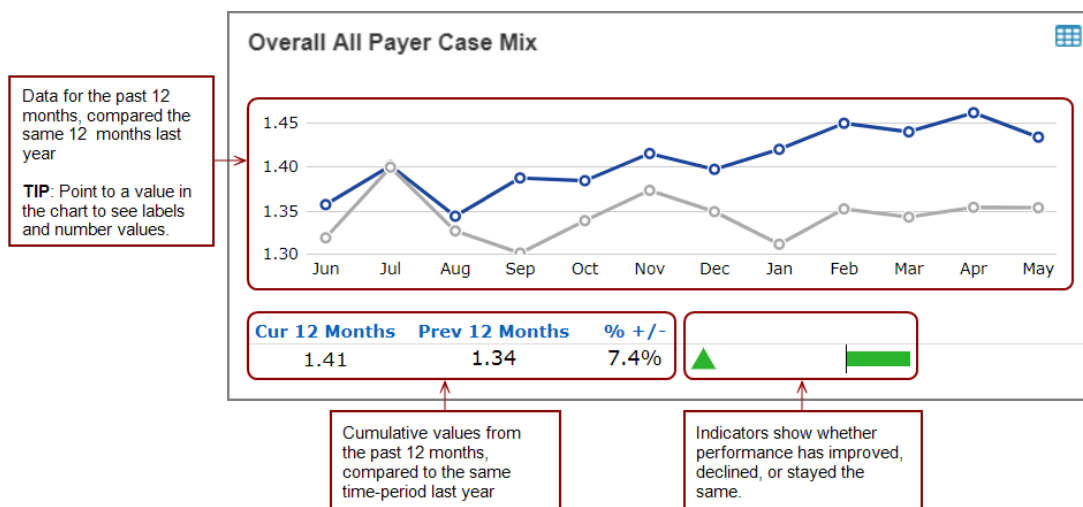
Outpatient—Working with Trended Data

Go to the dashboard and adjust your view

1. On the home page, click **Outpatient**.
The **Outpatient** page opens.
2. In the upper left, click the **Trends** tab.
3. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.

Review the data

Note the values:



Analyze the data

Choose the data that you want to analyze:

Data from a selected month, compared to the same month last year

1. In a chart, click the month with the data you want to analyze.

The **Default Analysis** page opens.

2. Note the date range:

- The **Current** column shows data from the selected month.
- The **Previous** column shows data from the same month, one year in the past.

3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Cumulative data from the past 12 months, compared to the same time-period last year

1. Below a chart, click the value for the current or previous 12 months.

NOTE: Make sure that the entire row is selected, rather than the column.

Cur 12 Months	Prev 12 Months	% +/-
23,176	23,357	-0.8%


The **Default Analysis** page opens.

2. Note the date range:

- The **Current Rolling Year by Month** column shows cumulative data from the past 12 months.
 - The **Previous Rolling Year by Month** column shows cumulative data from the same 12 months, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison


1. Locate the measure whose definition you want to view, and click the **Analysis** icon .

The **Measure Overview** page opens.

2. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. Locate the measure whose definition you want to view, and click the **Analysis** icon .

The **Measure Overview** page opens.

2. On the left, review the measure's definition and other details.

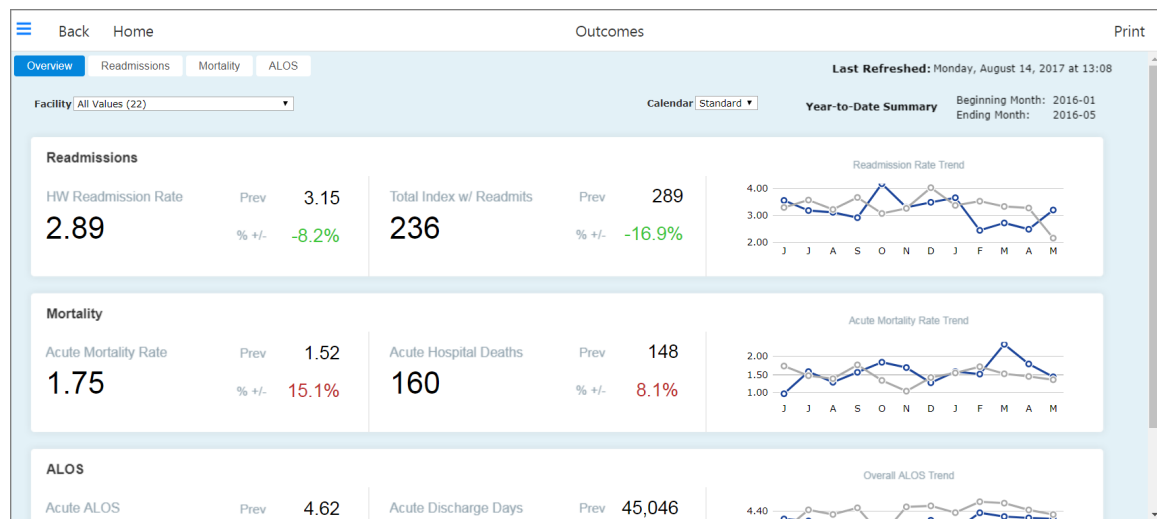
Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

Outcomes

On the **Outcomes** page, you can choose whether to work with data about all outcomes, readmission, mortality, or **ALOS**¹:

- [Outcomes—Working with Data About All Outcomes below](#)
- [Outcomes—Working with Readmission Data on page 51](#)
- [Outcomes—Working with Mortality Data on page 56](#)
- [Outcomes—Working with ALOS Data on page 60](#)



Outcomes—Working with Data About All Outcomes

Go to the dashboard and adjust your view

1. On the home page, click **Outcomes**.
The **Outcomes** page opens with the **Overview** tab selected.
2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
3. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
4. In the **Calendar** pull-down menu, choose one of the following:

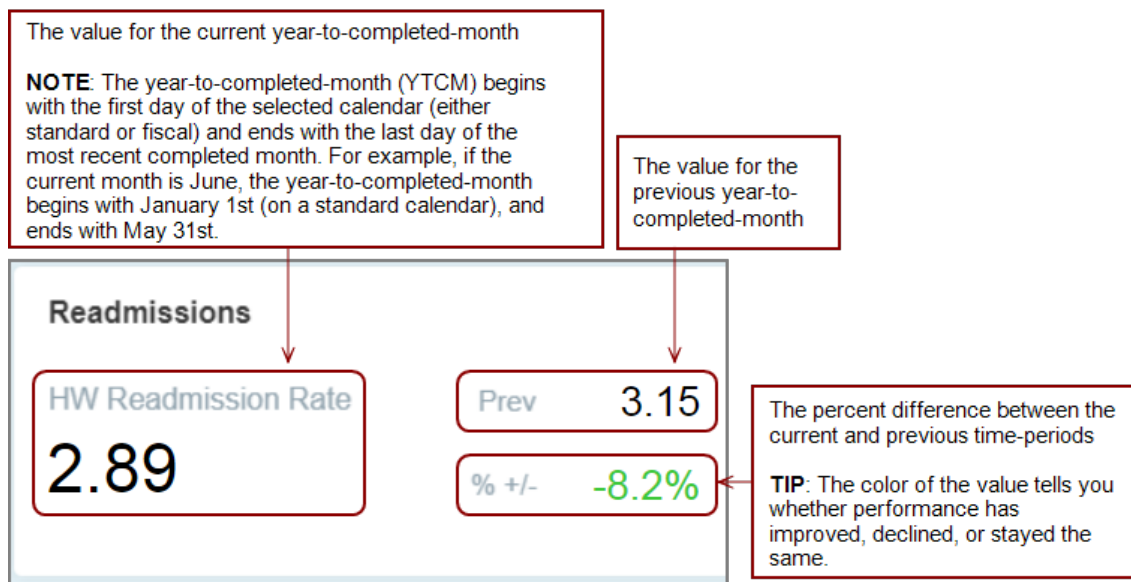
¹Average Length of Stay

- **Standard**, if you want to view data beginning with January of the current year
- **Fiscal**, if you want to view data beginning with the first month in your organization's fiscal calendar

On the right, the **Year-to-Date Summary** updates based on your selection.

Review the data

- On the left, note the number values:



- On the right, charts display data from the past 12 months, compared to the same 12 months last year.

TIP: Point to a value in the chart to see labels and number values.

Analyze the data

Choose the data that you want to analyze:

Data about a particular outcome for the current year-to-completed-month (YTCM), compared to the same time-period last year

1. Click the number value that you want to analyze.

The **Default Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data about a particular outcome for a certain month, compared to the same month last year

1. In a chart, click the month with the data you want to view.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

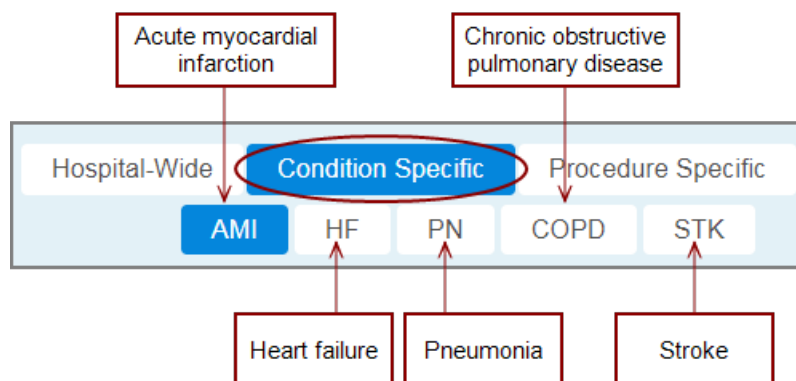
2. Note the date range:
 - The **Cur 12 Months** column shows data from the selected month.
 - The **Prev 12 Months** column shows data from the same month, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

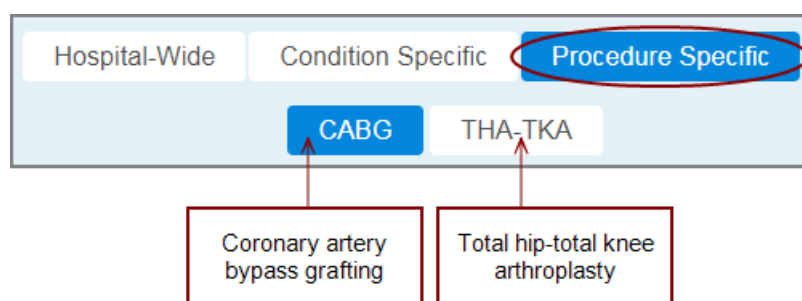
Outcomes—Working with Readmission Data

Go to the dashboard and adjust your view

1. On the home page, click **Outcomes**.
The **Outcomes** page opens.
2. In the upper left, click the **Readmissions** tab.
3. Note the dates for the data:
 - In the upper right, the **Last Refreshed** date tells you when the data was last updated.
 - Above the data, the **12 Month Summary** tells you how the current and previous 12 months are counted.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
5. Along the top, select one of the following:
 - **Hospital-Wide**, if you want to view data for all patients
 - **Condition Specific**, if you want to view data for patients that have a certain condition

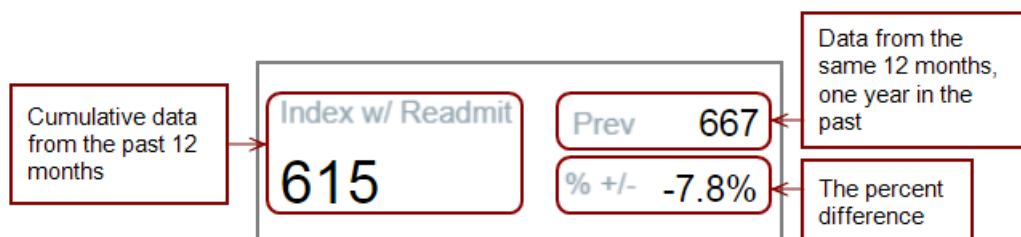


- **Procedure Specific**, if you want to view data for patients that have had a certain procedure



Review the data

- Along the top, the number values show:



- Below the number values, charts show data about discharge status and financial class.

TIP: Point to a value in the chart to see labels and number values.

- Along the bottom of the page, charts show trended data.

Analyze the data

Choose the data that you want to analyze:

Data from two measures, during a selected month

1. In the **Index w/ Readmit vs Population** chart, click the month with the data you

want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from a selected month, compared to the same month one year in the past

1. In the **Readmit Rate Trend** chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

2. Note the date range:
 - The **Cur 12 Months** column shows data from the selected month.
 - The **Prev 12 Months** column shows data from the same month, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Cumulative data from the past 12 months, compared to the same time-period last year

1. Click the value that you want to analyze.

You can choose:

- A number value along the top of the page
- A value in the **Index w/ Readmit by Discharges Status** chart
- A value in the **Top 5 Index w/ Readmit by Financial Class** chart

The **Default Analysis** page opens.

2. Note the date range:
 - The **Current Rolling Year by Month** column shows cumulative data from the past 12 months.
 - The **Previous Rolling Year by Month** column shows cumulative data from the same 12 months, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none">• Calculation—An operation used to produce a value• Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

View a **CMS1** specification report

1. Along the top of the page, select one of the following:
 - **Hospital-Wide**, if you want to view a specification about readmission measures for all patients
 - **Condition Specific**, if you want to view a specification about condition-specific readmission measures
This specification shows information about measures related to AMI, COPD, HF, PN, and STK.
 - **Procedure Specific**, if you want to view a specification about procedure-specific readmission measures
This specification shows information about measures related to CABG and THA-TKA.
2. In the upper right, click **Specifications**.
The specification report opens.

¹Centers for Medicare and Medicaid Services

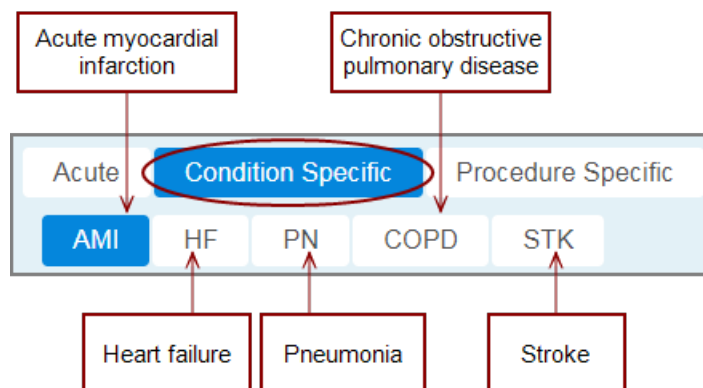
Outcomes—Working with Mortality Data

Go to the dashboard and adjust your view

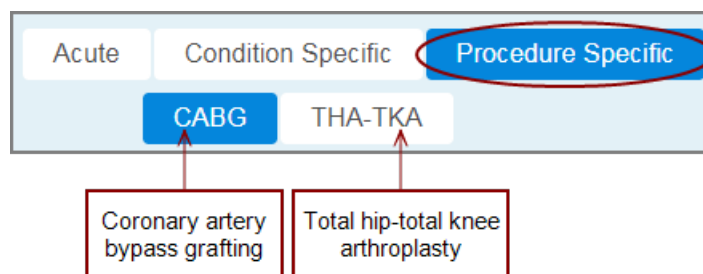
1. On the home page, click **Outcomes**.

The **Outcomes** page opens.

2. In the upper left, click the **Mortality** tab.
3. Note the dates for the data:
 - In the upper right, the **Last Refreshed** date tells you when the data was last updated.
 - Above the data, the **12 Month Summary** tells you how the current and previous 12 months are counted.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
5. Along the top, select one of the following:
 - **Acute**, if you want to view data for patients with an acute diagnosis
 - **Condition Specific**, if you want to view data for patients that have a certain condition

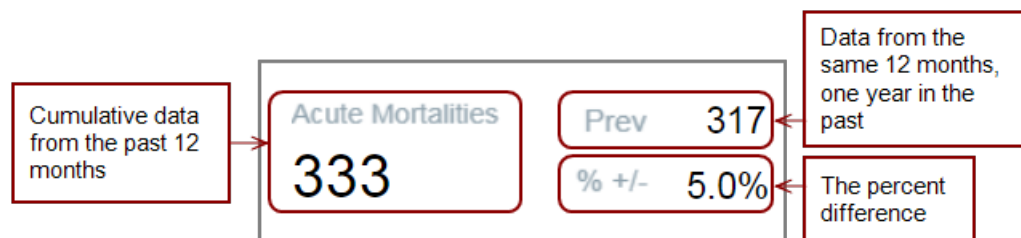


- **Procedure Specific**, if you want to view data for patients that have had a certain procedure



Review the data

- Along the top, the number values show:



- Below the number values, charts show data about age group and financial class.

TIP: Point to a value in the chart to see labels and number values.

- Along the bottom of the page, charts show trended data.

Analyze the data

Choose the data that you want to analyze:

Data from two measures, during a selected month

- In the **Acute Mortalities vs Acute Discharges** chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

- Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from a selected month, compared to the same month one year in the past

- In the **Acute Mortality Rate Trend** chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

- Note the date range:

- The **Cur 12 Months** column shows data from the selected month.
- The **Prev 12 Months** column shows data from the same month, one year in the past.

- Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Cumulative data from the past 12 months, compared to the same time-period last year

1. Click the value that you want to analyze.

You can choose:

- A number value along the top of the page
- A value in the **Top 5 Acute Mortalities by Age Group** chart
- A value in the **Top 5 Acute Mortalities by Financial Class** chart

The **Default Analysis** page opens.

2. Note the date range:
 - The **Current Rolling Year by Month** column shows cumulative data from the past 12 months.
 - The **Previous Rolling Year by Month** column shows cumulative data from the same 12 months, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents

Label	Description
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic
More Details	Additional details: <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

View a **CMS1** specification report

1. Along the top of the page, select one of the following:

- **Condition Specific**, if you want to view a specification about condition-specific mortality measures

This specification shows information about measures related to AMI, COPD, HF, PN, and STK.

- **Procedure Specific**, if you want to view a specification about procedure-specific mortality measures

This specification shows information about measures related to CABG.

2. In the upper right, click **Specifications**.

The specification report opens.

¹Centers for Medicare and Medicaid Services

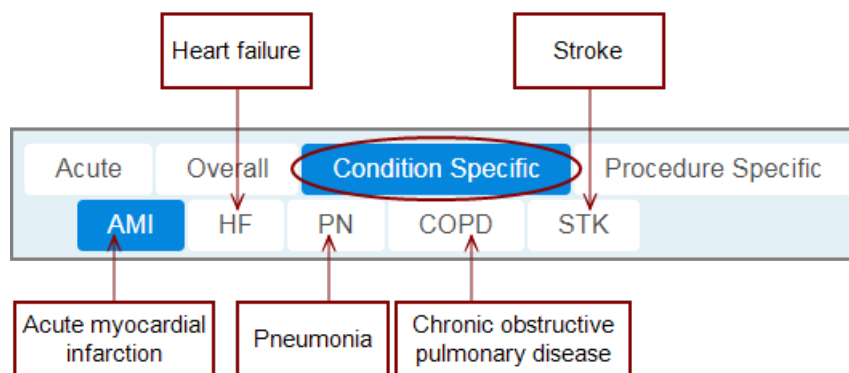
Outcomes—Working with ALOS Data

Go to the dashboard and adjust your view

1. On the home page, click **Outcomes**.

The **Outcomes** page opens.

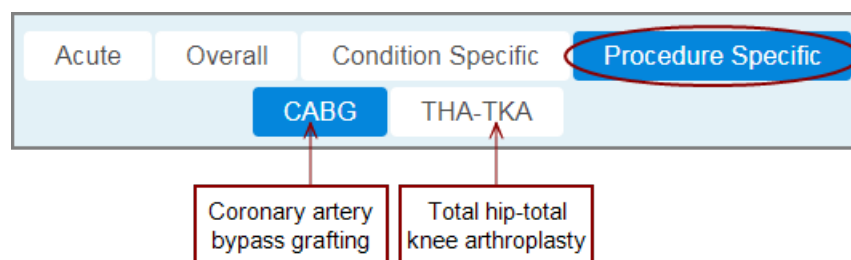
2. In the upper left, click the **ALOS¹** tab.
3. Note the dates for the data:
 - In the upper right, the **Last Refreshed** date tells you when the data was last updated.
 - Above the data, the **12 Month Summary** tells you how the current and previous 12 months are counted.
4. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
5. Along the top, select one of the following:
 - **Acute**, if you want to view data for patients with an acute diagnosis
 - **Overall**, if you want to view data for all patients
 - **Condition Specific**, if you want to view data for patients that have a certain condition



- **Procedure Specific**, if you want to view data for patients that have had a

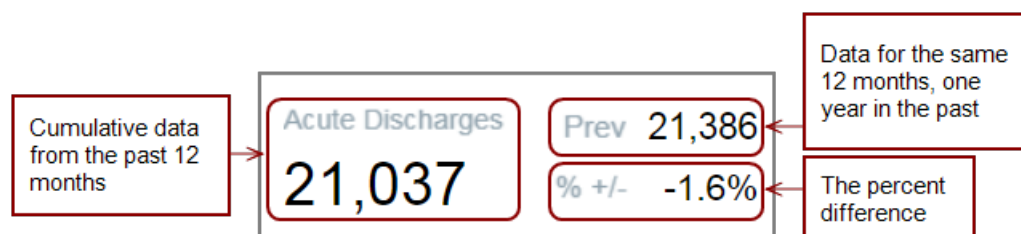
¹Average Length of Stay

certain procedure



Review the data

- Along the top, the number values show:



- Below the number values, charts show data about age group and financial class.
TIP: Point to a value in the chart to see labels and number values.
- Along the bottom of the page, charts show trended data.

Analyze the data

Choose the data that you want to analyze:

Data from two measures, during a selected month

- In the **Acute Discharge Days vs Acute Discharges** chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

- Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from a selected month, compared to the same month one year in the past

- In the **Acute ALOS Trend** chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

2. Note the date range:
 - The **Cur 12 Months** column shows data from the selected month.
 - The **Prev 12 Months** column shows data from the same month, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Cumulative data from the past 12 months, compared to the same time-period last year

1. Click the value that you want to analyze.

You can choose:

- A number value along the top of the page
- A value in the **Top 5 Acute ALOS by Age Group** chart
- A value in the **Top 5 ALOS by Financial Class** chart

The **Default Analysis** page opens.

2. Note the date range:
 - The **Current Rolling Year by Month** column shows cumulative data from the past 12 months.
 - The **Previous Rolling Year by Month** column shows cumulative data from the same 12 months, one year in the past.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. In the upper right, click **Analysis**.

The **Measure Overview** page opens.

2. In the upper left of the page, note the name of the measure.
3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	<p>The syntax used to generate the measure:</p> <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

Physicians

On the **Physicians** page, you can choose whether to work with data about many attending providers, or only one attending provider:

- [Physicians—Working with Data About Many Physicians below](#)
- [Physicians—Working with Data About One Physician on the facing page](#)

Measures		TOTAL DISCHARGES			TOTAL DISCHARGE DAYS			OVERALL ALOS		
Attending Provider		Cur	Prev	% +/-	Cur	Prev	% +/-	Cur	Prev	% +/-
Adams, T (PHY 025196)		6	20	-70.0%	32	122	-73.8%	5.33	6.10	-12.6%
Aquilar, J (PHY 002842)		8	3	166.7%	17	6	183.3%	2.12	2.00	6.2%
Aquirre, D (PHY 000803)		8	24	-66.7%	14	47	-70.2%	1.75	1.96	-10.6%
Alexander, B (PHY 025230)		11	7	57.1%	23	24	-4.2%	2.09	3.43	-39.0%
Alford, C (PHY 003655)		56	112	-50.0%	268	432	-38.0%	4.79	3.86	24.1%
Alvarez, L (PHY 005012)		3	0		8			2.67		
Anderson, Y (PHY 001376)		1	3	-66.7%	1	7	-85.7%	1.00	2.33	-57.1%
Anthony, B (PHY 019510)		2	6	-66.7%	6	27	-77.8%	3.00	4.50	-33.3%
Armstrong, C (PHY 005213)		19	0		65			3.42		
Arnold, W (PHY 003515)		2	4	-50.0%	7	13	-46.2%	3.50	3.25	7.7%
Ashley, G (PHY 005267)		12	0		65			5.42		
Austin, K (PHY 004117)		9	0		21			2.33		
Avila, V (PHY 004978)		25	0		148			5.92		
Bailey, S (PHY 000672)		19	23	-17.4%	41	47	-12.8%	2.16	2.04	5.6%
Baird, D (PHY 000579)		7	8	-12.5%	12	8	50.0%	1.71	1.00	71.4%
Ball, R (PHY 025221)		4	4	.0%	10	15	-33.3%	2.50	3.75	-33.3%
Banks, F (PHY 003089)		1	0		1			1.00		

Physicians—Working with Data About Many Physicians

Go to the dashboard and adjust your view

1. On the home page, click **Physicians**.
The **Physicians** page opens with the **Summary** tab selected.
2. In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
3. In the **Facility** pull-down menu, choose whether to view data for all facilities or one facility.
4. In the **Service** pull-down menu, choose whether to view data for all attending providers or only attending providers that perform a particular service.
5. In the **Calendar** pull-down menu, choose one of the following:
 - **Standard**, if you want to view data beginning with January of the current year

- **Fiscal**, if you want to view data beginning with the first month in your organization's fiscal calendar

On the right, the **Year-to-Date Summary** updates based on your selection.

Review the data

- A list of attending providers displays on the left.

TIP: Click the name of an attending provider to see information specific to them. For more information, see [Physicians—Working with Data About One Physician below](#).

- Each area of the page shows data from the current year-to-completed-month, compared to the same time-period last year.

NOTE: The year-to-completed-month (YTCM) begins with the first day of the selected calendar (either standard or fiscal) and ends with the last day of the most recent completed month. For example, if the current month is June, the year-to-completed-month begins with January 1st (on a standard calendar), and ends with May 31st.

TIP: To sort a column, click the column header.

Analyze the data

To analyze data about an attending provider for the current year-to-completed-month (YTCM), compared to the same time-period last year:

1. To the right of the attending provider's name, click the **Cur** or **Prev** value that you want to analyze.

The **Default Measure Analysis** page opens.

2. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Physicians—Working with Data About One Physician

Go to the dashboard and adjust your view

1. On the home page, click **Physicians**.

The **Physicians** page opens.

2. In the **Facility** pull-down menu, select the facility where the attending provider works.
3. In the **Service** pull-down menu, select the attending provider's service.

- On the left, click the name of the attending provider that you want to see details about.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the attending provider's name.

The **Scorecard** tab opens, displaying information about the selected attending provider.

- In the upper right, note the date and time that the data was last updated, in the **Last Refreshed** field.
- In the **Calendar** pull-down menu, choose one of the following:
 - Standard**, if you want to view data beginning with January of the current year
 - Fiscal**, if you want to view data beginning with the first month in your organization's fiscal calendar

On the right, the **Year-to-Date Summary** updates based on your selection.

Review the data

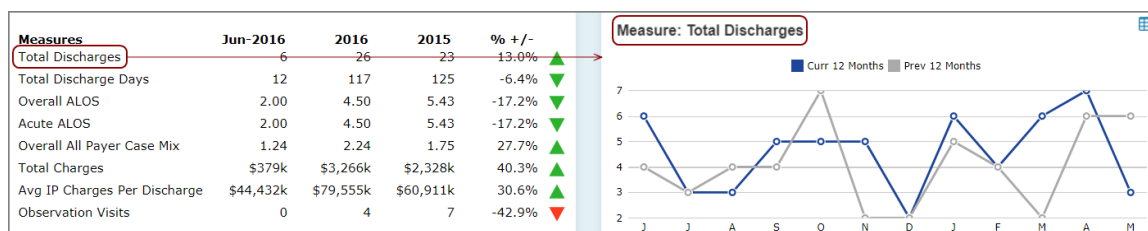
- In the **Measures** area, note the values:

	Data from the current year-to-completed-month, and the same time-period last year				
	NOTE: The year-to-completed-month (YTCM) begins with the first day of the selected calendar (either standard or fiscal) and ends with the last day of the most recent completed month. For example, if the current month is June, the year-to-completed-month begins with January 1st (on a standard calendar), and ends with May 31st.				
	Data from the current month-to-date				The percent difference between the current and previous year-to-completed-months
Measures	Jun-2016	2016	2015	% +/-	
Total Discharges	2	11	35	-68.6%	▼
Total Discharge Days	5	64	115	-44.3%	▼
Overall ALOS	2.50	5.82	3.29	77.1%	▲
Acute ALOS	2.50	5.82	3.29	77.1%	▲
Overall All Payer Case Mix	1.31	2.27	1.85	22.5%	▲
Total Charges	\$93k	\$1,728k	\$3,827k	-54.8%	▼
Normal Newborn Discharges	0	0	0		▲
Normal Newborn Discharge Days					▲
Observation Visits	0	2	14	-85.7%	▼

- To view trended data, click the name of a measure in the **Measures** area.

On the right, the data displays in a chart.

TIP: Point to a value in the chart to see labels and number values.



- In the lower half of the page, select the type of data that you want to view.

For example, you can select **Procedure** to view data about the procedures that the attending provider has performed.

TIP: To sort a column, click the column header.

Analyze the data

Choose the data that you want to analyze:

Data from a selected month, compared to the same month last year

- In the **Measures** area, click the measure with the data that you want to analyze.

On the right, the measure's data displays in the chart.

- In the chart, click the month with the data you want to analyze.

TIP: Point to a value in the chart to see labels and number values.

The **Default Analysis** page opens.

- Note the date range:

- The **Cur 12 Months** column shows data from the selected month.
- The **Prev 12 Months** column shows data from the same month, one year in the past.

- Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current month-to-date, compared to the current and previous year-to-completed-months (YTCM)

- In the **Measures** area, click the value that you want to analyze.

The **Analysis** page opens.

- Dive on the data. For more information, see [Diving on Data on page 70](#).


TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data about a particular medical area for the current year-to-completed-

month (YTCM), compared across various measures


1. In the lower half of the page, select the type of data that you want to view.
For example, you can select **Procedure** to view data about the procedures that the attending provider has performed.
2. In the table, click the value that you want to analyze.
The **Default Analysis** page opens.
3. Dive on the data. For more information, see [Diving on Data on page 70](#).
TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

All data for a measure, with or without a time-period comparison

1. In the **Measures** area, click the measure with the data that you want to analyze.
On the right, the measure's data displays in the chart.
2. To the upper right of the chart, click the **Analysis** icon .
- The **Measure Overview** page opens.
3. Do one of the following:
 - Analyze how the data has changed over time (default analysis)
 - Analyze how the data compares to other measures, without a time-period comparison (custom analysis)

For more information, see [Analyzing Measure Data on page 80](#).

View the definition of a measure

1. In the **Measures** area, click the measure whose definition you want to view.
On the right, the measure's data displays in the chart.
2. To the upper right of the chart, click the **Analysis** icon .
- The **Measure Overview** page opens.
3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure

Label	Description
Expression	<p>The syntax used to generate the measure:</p> <ul style="list-style-type: none"> • Calculation—An operation used to produce a value • Filter—A specification that determines available values
References	<p>The industry standard documents that support the measure's definition and business logic</p>
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

What Is Diving?

Diving is the process of displaying progressively detailed levels of data for analysis. You can dive through multiple layers of data, with each subsequent dive showing incremental detail.

In DivePort, you dive on tabular data. When you dive, you select dimensions, which determine the values that appear.

Diving on Data

1. Browse to the data you want to dive on.

Dimension values display in the leftmost **column**. Data values display in the columns on the right.

Patient City	ALOS	+/-
Total	4.4	-0.1
BRECKSVILLE	33.2	-13.2
PORT CLINTON	32.2	-8.2
CADIZ	7.00	14.0 -7.0
GRANVILLE	64.00	13.3 50.7
NORTHWOOD	22.00	13.3 8.7

Here, the dimension is Patient City, and the dimension values are city names.

2. If pull-down menus are available, use them to adjust your view of the data.

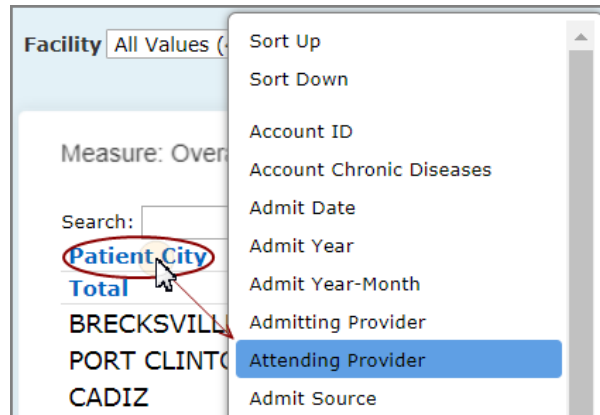
Facility
All Values (4)

Discharge Year-Month
All Values (57)

Measure: Overall ALOS

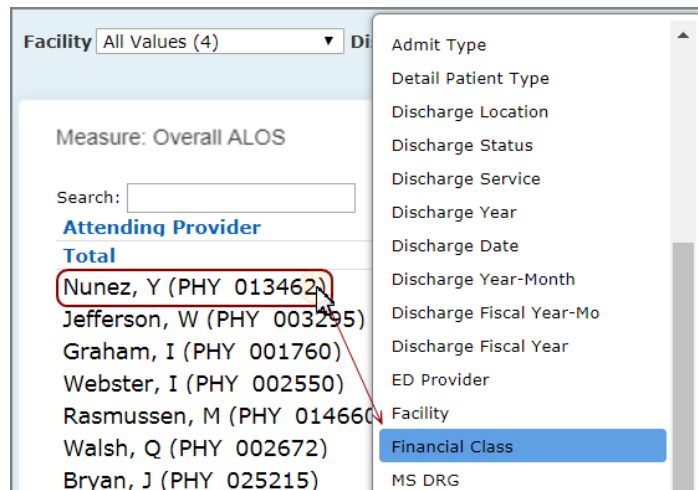
Search:

3. To view data for a different dimension, click the leftmost **column header**, and select a new dimension.



Values for the new dimension appear.

4. Find the dimension value that you want to dive on:
 - If searching is enabled, enter the name of the dimension value in the **Search** box.
 - To sort the dimension values in descending or ascending alphabetical order, click the leftmost column header, and select **Sort Up** or **Sort Down** at the top of the context menu.
 - To sort column data in descending or ascending numeric order, click the column header.
5. To begin diving, click the **dimension value**, and select another dimension.



Values that meet the criteria for both dimensions appear.

In the upper left, the name of the **dimension value** that you dived on appears.

Nunez, Y (PHY 013462)	
Financial Class	
Total	
Aetna	
Blue Cross	25.82
Champus	50.00
Charity	10.00

This dive shows data about the patients that Dr. Nunez worked with, broken down by financial class.

The values that appear in the **Totals row** are the same as the values in the row that you dived on.




Attending Provider	Overall ALOS	Exp ALOS	+/-
Total	4.35	4.4	-0.1
Nunez, Y (PHY 013462)	22.91	8.0	14.9
Jefferson, W (PHY 003295)	18.50	2.2	16.3
Graham, I (PHY 001760)	18.00	8.0	10.1

Nunez, Y (PHY 013462)	
Financial Class	
Total	
Aetna	30.71
Blue Cross	25.82
Champus	50.00

- Use the previous steps to continue adjusting your view.
- To return to a previous view, in the upper left, click a [dimension value](#).

Nunez, Y (PHY_013462) → Blue Cross → Female				
Discharge Year	Overall ALOS	Exp ALOS	+/-	
Total	28.63	9.6	19.0	
2013	1.00	3.3	-2.3	
2014	71.33	14.8	56.5	
2015	4.33	6.6	-2.3	

- Depending on the settings that an administrator specified, to the lower left of the data, you might be able to [click an option](#) to view the data in Excel or PDF format, or open the data in ProDiver.

NILES	5.00
HARRISON	2.20
WHEELERSBURG	5.00
ANNA	2.00
MINSTER	13.00
 Excel	 PDF
 ProDiver	

The Measure Dictionary

The Measure Dictionary is the central place to work with your organization's measures. In the Measure Dictionary you can view a measure's definition and other details (including the rules that it is made of), analyze measure data, and access industry standard specification reports.

Viewing Measure Details

1. On the home page, click **Measure Dictionary**.

The **Measure Dictionary** page opens.

2. Click the measure that you want to work with, and select **Measure Overview**.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The **Measure Overview** page opens.

3. On the left, review the measure's definition and other details.

Label	Description
Definition	A brief description of what the measure represents
Business Logic	A detailed explanation of the measure's logic, including a description of the rules that make up the measure
Expression	The syntax used to generate the measure: <ul style="list-style-type: none">• Calculation—An operation used to produce a value• Filter—A specification that determines available values
References	The industry standard documents that support the measure's definition and business logic

Label	Description
More Details	<p>Additional details:</p> <ul style="list-style-type: none"> • Category—The group that the measure belongs to. The category is useful to DivePort administrators and developers who work with the Measure Factory configuration file. • Good Direction—One of two values (up or down) that tells you whether higher or lower values indicate improvements in performance. • View—The date or event that the measure is based on. For example, the Total Admissions measure has a View of Admissions, because it is based on the date of admission for each account ID. • Data Set—The data structure that supplies the values for the measure

Viewing the Rules in a Measure

Viewing the composition of a measure can inform your understanding of its definition, as well as help you ensure **data governance**¹.

1. On the home page, click **Measure Dictionary**.

The **Measure Dictionary** page opens.

2. Click the measure that you want to work with, and select **Measure Overview**.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The **Measure Overview** page opens.

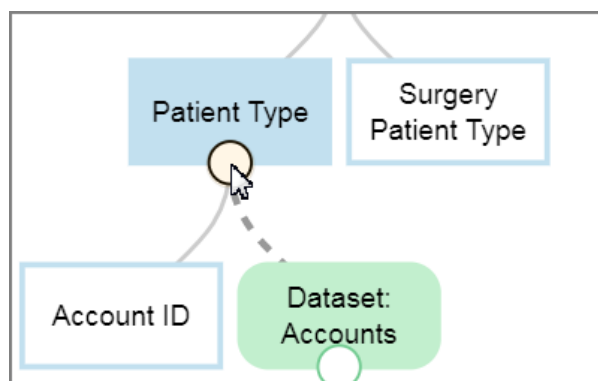
3. In the upper right, click the **Composition** tab.

A diagram opens, displaying the values that the measure is made of.

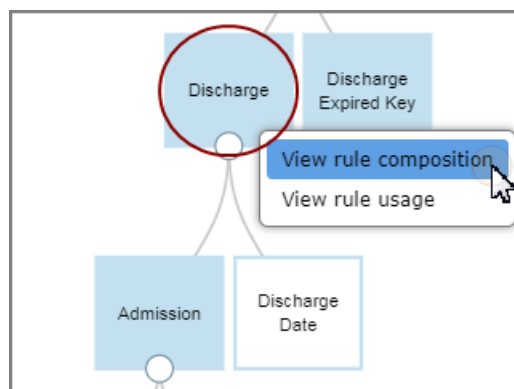
TIP: To zoom in or out, click the + and - icons in the upper left.

4. To view the composition of a rule or measure within the diagram:
 - If the rule or measure is made of only a few values, click the circle icons to expand branches of the diagram.

¹The process of managing the authority, control, and collaboration of data assets to ensure data usability, integrity and security.



- If the rule or measure is made of many values (more than can comfortably fit on screen), click its name, and select **View rule composition** or **View measure composition**.



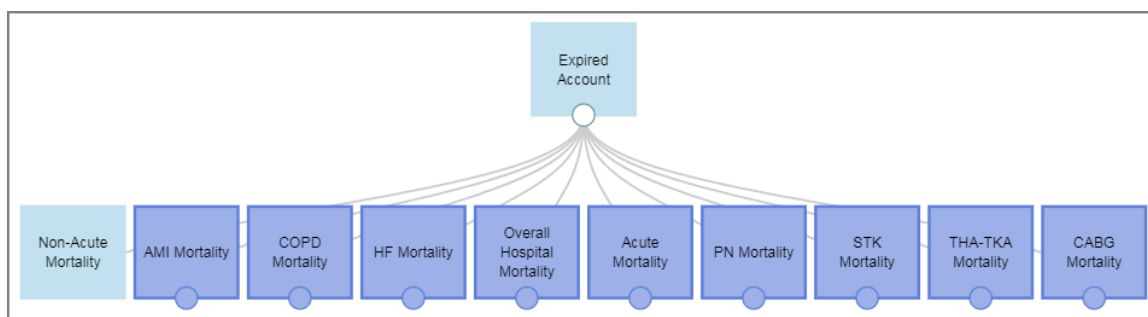
The rule or measure opens in its own diagram. Click the circle icons to expand branches of the diagram.

NOTE: To return to the previous view, in the upper left, click the < icon.
To return to the composition of the original measure, click the << icon.

5. To view the places where a rule or measure is used click its name, and select **View rule usage** or **View measure usage**.

A diagram opens, displaying the rules and measures where the selected value is used.

For example, the **Expired Account** rule is used in rules and measures related to mortality.



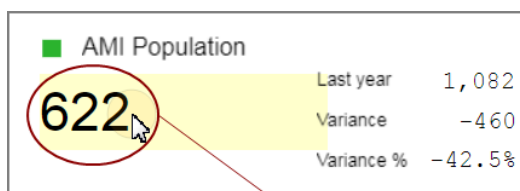
Measure Analysis Options

About Default and Custom Analyses

When working with Measure Factory data, there are two distinct types of analysis:

- **Default analysis**—This type of analysis allows you to compare one measure's data between time-periods. When doing a default analysis, you can work with data from only one measure at a time. You perform a default analysis when you want to understand how one measure's data has changed.

Typically, you start a default analysis by clicking a value—either a number or a graphical value—on a dashboard.



Default Analysis			
AMI Population			
Search: <input type="text"/>			
Discharge Location	Current YTCM	Previous YTCM	% +/-
Total	622	1,082	-42.5%
LW 3 MED PROG CARE	196	368	-46.7%
LW 4 SURG PROG CARE	87	117	-25.6%
TH 3E ANGIOPLASTY	80	112	-28.6%
TH 3E CARDIAC MED	49	118	-58.5%

- **Custom analysis**—This type of analysis allows you to compare data from several measures, but does not show a time-period comparison. You perform a custom analysis when you want to understand how your organization's most current data differs between measures, but do not need to know how the data has changed.

To start a custom analysis, go to the **Measure Overview** page, and click the **Analysis** tab.

The screenshot shows the 'Hospital Operations - Standard Measures' section with 'Inpatient Volumes' selected. A red box highlights 'Total Admissions' with a red arrow pointing to the 'Measure Overview' page. In the 'Measure Overview' page, 'Total Admissions' is selected in the left sidebar. The top navigation bar has 'Overview', 'Analysis' (highlighted with a red box), and 'Composition' tabs. Below the navigation bar, there are filters for 'Facility' and 'Admit Year-Month'. A table displays data for 'Total Admissions' across various locations.

Admit Location	Total Admissions	% Total	Acute	Non-Acute	ED Admits	Total Newborns
Total	328,429	100.0%	302,714	0	212,413	28,523
TH ER	69,762	21.2%	69,760	0	69,615	2
MW ER	52,560	16.0%	52,560	0	52,560	0
LH ER	48,922	14.9%	48,920	0	48,920	14
SH ER	39,183	11.9%	39,181	0	39,181	4
TH SURGERY	10,502	3.2%	10,502	0	36	0

Other Analysis Options

Apart from default and custom analysis, each measure has unique data analysis options. These options are specified in Measure Factory, and you can work with your Dimensional Insight consultant or your organization's developers to adjust them.

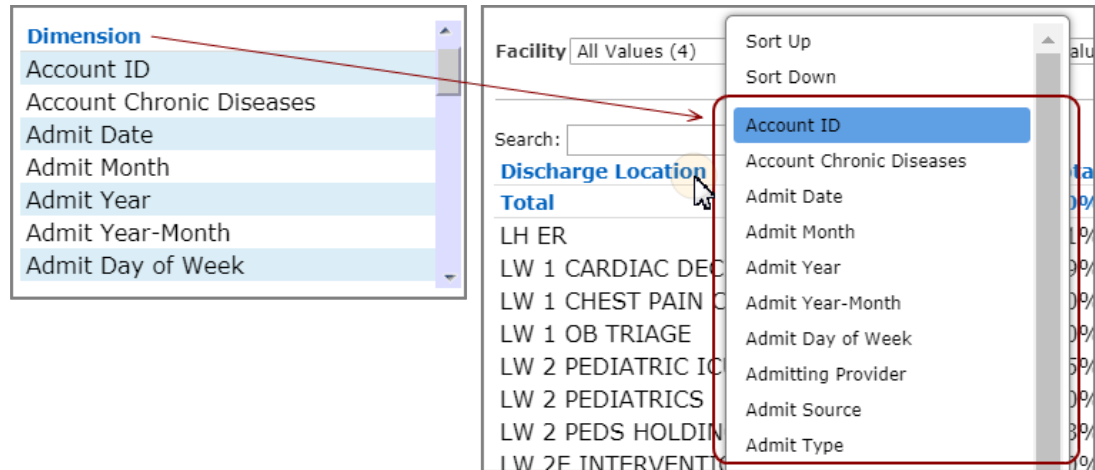
To view a measure's analysis options:

1. On the home page, click **Measure Dictionary**.
The **Measure Dictionary** page opens.
2. Click the measure whose analysis options you want to view, and select **Measure Overview**.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The **Measure Overview** page opens.

3. In the upper right, click the **Composition** tab.
4. On the left, note the measure's analysis options:
 - **Dimension**—This section lists the dimensions that you can choose when doing any type of analysis (either default or custom). When analyzing the selected measure, you can choose only the dimensions that display here.



- **Summary**—This section lists the columns that display on the **Analysis** tab of the **Measure Overview** page. You can view these columns only when doing a custom analysis.

The screenshot shows the Measure Overview page. On the left, a list of summary items is displayed: % Total, Acute Discharges, and two empty rows. On the right, a table titled 'Total Discharges' is shown. A red box highlights the table, and a red arrow points from the 'Summary' section in the list to the table. The table has columns for Discharge Location, Total Discharges, % Total, and Acute Discharges. The table data is as follows:

Discharge Location	Total Discharges	% Total	Acute Discharges
Total	327,547	100.0%	301,871
LH ER	351	.1%	351
LW 1 CARDIAC DECISION	2,845	.9%	2,845
LW 1 CHEST PAIN CTR	30	.0%	30
LW 1 OB TRIAGE	2	.0%	2
LW 2 PEDIATRIC ICU	1,740	.5%	1,739
LW 2 PEDIATRICS	6,697	2.0%	6,692

- **QuickView**—This section lists the pull-down menus that display along the top of the **Analysis** tab of the **Measure Overview** page. You can use these pull-down menus only when doing a custom analysis.

The screenshot shows the Measure Overview page. On the left, a list of quickview items is displayed: Facility, Admit Year-Month, and two empty rows. On the right, a table titled 'Total Discharges' is shown. A red box highlights the table, and a red arrow points from the 'QuickView' section in the list to the table. The table has columns for Discharge Location, Total Discharges, % Total, and Acute Discharges. The table data is as follows:

Discharge Location	Total Discharges	% Total	Acute Discharges
Total	327,547	100.0%	301,871
LH ER	351	.1%	351
LW 1 CARDIAC DECISION	2,845	.9%	2,845

Analyzing Measure Data

Analyzing Measure Data Over Time (Default Analysis)

1. On the home page, click **Measure Dictionary**.

The **Measure Dictionary** page opens.

2. Click the measure with the data that you want to analyze, and select **Measure Overview**.

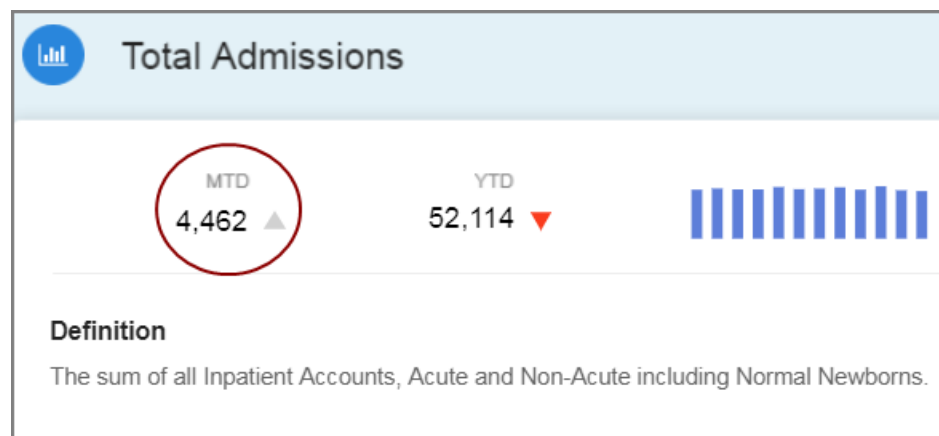
TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The **Measure Overview** page opens.

3. Choose the data that you want to analyze:

Data from the current month-to-date, compared to the same time-period last year

- a. Above the measure definition, click the **MTD** value.



The **Default Analysis** page opens.

- b. Dive on the data. For more information, see [Diving on Data on page 70](#).

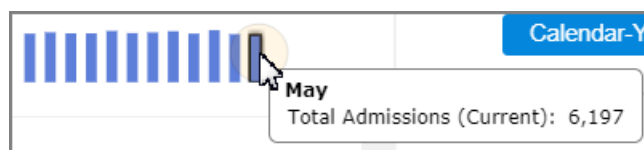
TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from a selected month, compared to the same month last year

- a. In the bar chart, click the month with the data you want to analyze.

The most recent completed month displays on the right side of the chart. For example, if this month is June, the rightmost column shows data for May.

TIP: Point to a value in the chart to see labels and number values.



The **Default Analysis** page opens.

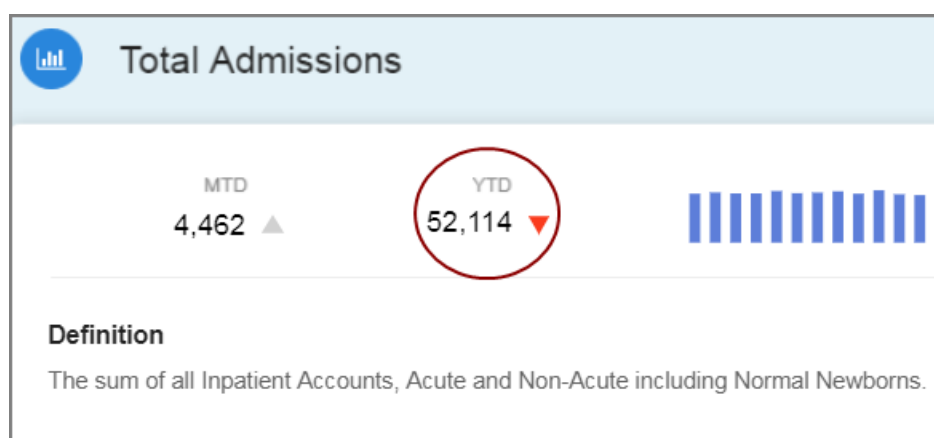
- b. Note the date range:
 - The **Current** column shows data from the selected month.
 - The **Previous** column shows data from the same month, one year in the past.
- c. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

Data from the current year-to-completed-month (YTCM), compared to the same time-period last year

NOTE: The year-to-completed-month (YTCM) begins with the first day of the selected calendar (either standard or fiscal) and ends with the last day of the most recent completed month. For example, if the current month is June, the year-to-completed-month begins with January 1st (on a standard calendar), and ends with May 31st.

- a. Above the measure definition, click the **YTD** value.



The **Default Analysis** page opens.

- b. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format.

NOTE: On dashboards that display the selected measure, you might be able to analyze data from time-periods other than the ones listed here.

Analyzing Measure Data, Without a Time-Period Comparison (Custom Analysis)

1. On the home page, click **Measure Dictionary**.

The **Measure Dictionary** page opens.

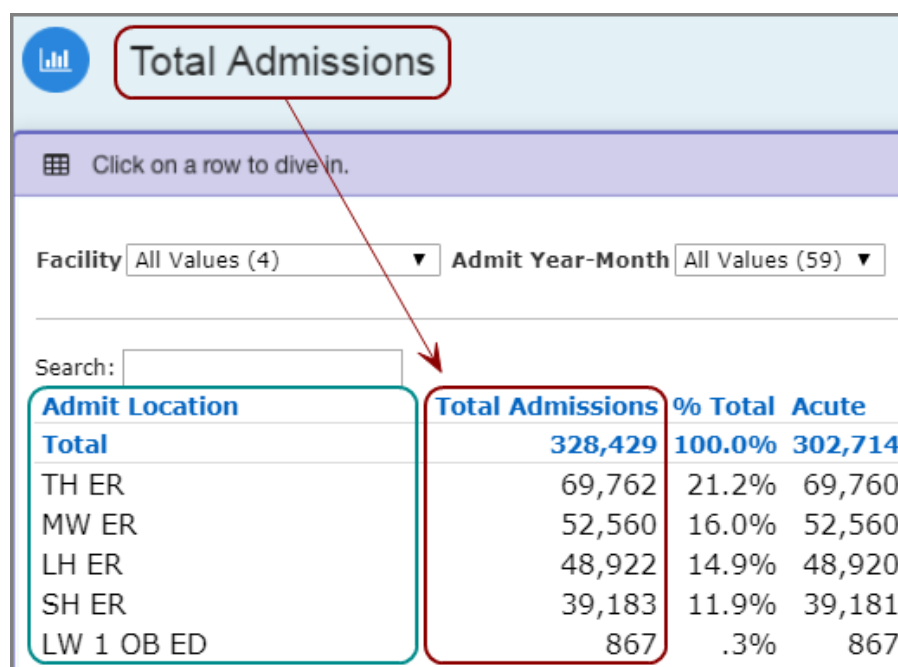
2. Click the measure with the data that you want to analyze, and select **Measure Overview**.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The **Measure Overview** page opens.

3. In the upper right, click the **Analysis** tab.

The measure displays as a column. Dimension values display in the leftmost column.



Total Admissions			
Click on a row to dive in.			
Facility All Values (4) Admit Year-Month All Values (59)			
Search:			
Admit Location	Total Admissions	% Total	Acute
Total	328,429	100.0%	302,714
TH ER	69,762	21.2%	69,760
MW ER	52,560	16.0%	52,560
LH ER	48,922	14.9%	48,920
SH ER	39,183	11.9%	39,181
LW 1 OB ED	867	.3%	867

4. Along the top of the page, you can use the pull-down menus to adjust your view.
5. Dive on the data. For more information, see [Diving on Data on page 70](#).

TIP: In the lower left of the window, you can click an option to open the data in Excel or PDF format, or in ProDiver.

Analyzing Measure Data in ProDiver

If you have access to ProDiver, you can open a measure's data as a marker file. This option is useful when you want to perform a complex analysis or save your view.

Measure Factory

1. On the home page, click **Measure Dictionary**.

The **Measure Dictionary** page opens.

2. Click the measure that you want to analyze, and select **ProDiver**.

TIP: You can use your web browser's Find feature (typically, **Ctrl+F**) to search for the measure's name.

The downloads area for your web browser displays.

3. Follow your web browser's prompts to open the file.

ProDiver starts.

4. If prompted, enter your logon credentials.

The measure data opens in ProDiver.

The measure displays as a column. Dimension values display in the leftmost column.

The screenshot shows the ProDiver application window titled "ProDiver - [Admit Location [Admissions - IP Admissions]]". The window has a menu bar (File, Edit, Organize, Display, Window, Help) and a toolbar. Below the toolbar are two pull-down menus: "Facility" set to "All Values (4)" and "Admit Year-Month" set to "All Values (58)".

The main data area contains a table with the following columns: "Admit Location", "IP Admissions", and "% Total".

Admit Location	IP Admissions	% Total
Totals	82,767	100.0000
<unknown>	105	0.1269
CER	7,173	8.6665
GER	18,063	21.8239
HER	23,929	28.9113
LER	6,350	7.6721
LW 1 CARDIAC DECISION	35	0.0423
LW 1 CHEST PAIN CTR	1	0.0012
LW 1 DIRECT ADMIT UNIT	14	0.0169
LW 1 OB ED	388	0.4688
LW 1 OB TRIAGE	3,248	3.9243
LW 2 PEDIATRIC ICU	310	0.3745
LW 2 PEDIATRICS	906	1.0946
LW 2 PEDS HOLDING	124	0.1498
LW 2E INTERVENTIONAL	8	0.0097
LW 2S OB SPECIAL CAI...	232	0.2803


On the right side of the window is a "Console" pane with tabs for "Dive A", "Dive B", "Dive C", and "Dive D". The "Dive A" tab is selected, showing a tree view under "History(Admissions - IP Admissions)". The tree includes "Admit Location" and "cBases". Under "cBases", there is a folder "Admissions - IP Admissions" which contains several sub-items: "Patient", "Account", "Admission", "Discharge", "Clinical", "Outcomes", "Financial", "Providers", "Dates-Times", and "Census".

At the bottom of the window, a status bar shows "110 Rows (Totals-17)" on the left and "Logged in as enickerson (tear" on the right.

5. Along the top, you can use the pull-down menus to adjust your view.

6. Dive on the data.

Note the following:

- The dimensions on the Console typically show counts of values.
- You can click **Edit > Select Columns** to access all the information in the data set.
- To open another data set or to change the data set that you are viewing, on the ProDiver toolbar, click the **DiveBook** icon .

For more information about the ProDiver tool, see the *ProDiver Help*.

Accessing CMS Specification Reports

For some measures, you can view related *pdf* reports that tell you about **CMS**¹ requirements. These reports were created by the Yale New Haven Health Services Corporation/Center for Outcomes Research & Evaluation (YNHHSC/CORE) and were prepared for Centers for Medicare & Medicaid Services (CMS).

1. On the home page, click **Measure Dictionary**.
The **Measure Dictionary** page opens.
2. Choose the measure with the specification report that you want to view, and select **Specification**.

Specification Report	Related Measures
2017 All-Cause Hospital-Wide Measure Updates and Specifications Report	In the 30 Day Readmissions section, choose any of the hospital-wide readmission measures. For example, you might choose the HWR 30D Readmit Rate measure.

¹Centers for Medicare and Medicaid Services

Specification Report	Related Measures
2017 Condition-Specific Measures Updates and Specifications Report (Hospital-Level 30-Day Risk-Standardized Readmission Measures)	In the 30 Day Readmissions section, choose any of the condition-specific (AMI¹ , COPD¹ , HF¹ , PN¹ , STK¹) readmission measures. For example, you might choose the AMI 30D Readmit Rate measure.
2017 Procedure-Specific Measures Updates and Specifications Report Hospital-Level 30-Day Risk-Standardized Readmission Measures	In the 30 Day Readmissions section, choose any of the procedure-specific (CABG¹ , THA-TKA¹) readmission measures. For example, you might choose the CABG 30D Index Population measure.
2017 Condition-Specific Measures Updates and Specifications Report (Hospital-Level 30-Day Risk-Standardized Mortality Measures)	In the Mortality section, choose any of the condition-specific (STK, HF, AMI, PN, COPD) mortality measures or the acute mortality measures. For example, you might choose the STK Mortality measure.

¹Acute myocardial infarction

¹Chronic obstructive pulmonary disease

¹Heart failure

¹Pneumonia

¹Stroke

¹Coronary artery bypass grafting

¹Total hip-total knee arthroplasty

Specification Report	Related Measures
2017 Procedure-Specific Measure Updates and Specifications Report Hospital-Level 30-Day Risk-Standardized Mortality Measure	In the Mortality section, choose any of the CABG measures. NOTE: This specification shows information only about measures related to CABG.

Measure Factory Data Sets

If you have access to ProDiver, you can open the Measure Factory data sets that supply your system.

This option is useful when you want to work with complete data for a large number of measures. If you want to work with data for only a few measures, consider doing a more focused analysis. For more information, see [Analyzing Measure Data on page 80](#).

1. On the home page, click **Ad Hoc Analysis**.

The **Ad Hoc Analysis** page opens.

2. On the left, select one of the following:

- **All Measures**, if you want to open information from all available data sets at the same time.
- **Data Sets**, if you want to open one of several data sets, each of which are useful for viewing certain information.

Data Set	Description
Accounts	View complete information for each account ID. The Accounts data sets allows you to view data for the largest number of measures.
Adjustments	View transaction data about billing adjustments for each account ID.
Census Analysis	View census data recorded through a period of time that your organization chooses (typically, one year in the past). The Census Analysis data set is updated each day.
Census Capacity	View information about the total number of patients that can be admitted to each unit.

Data Set	Description
Charges	View transaction data about the charges that were billed to each account ID. TIP: You can use the Charges data set to determine the location or department that a patient was admitted to, such as the ED ¹ or OR ¹ .
Daily Census	View data using one of three industry-standard methods for calculating patient days. Before you open this data set, be sure you know which method your organization uses.
Diagnoses	View the principal and secondary diagnoses that were coded against each account ID.
ED Log	View emergency department information for each account ID.
Hourly Census	View census data recorded through the past 30 days. The Hourly Census data set is updated each hour.
OR Log	View operating room information for each account ID.
Payments	View transaction data about the payments submitted for each account ID.
Previous Hourly Census	The Previous Hourly Census data set is used to calculate certain values. Dimensional Insight recommends that you choose a different data set for analysis.
Procedures	View the principal and secondary procedures coded against each account ID.
Squashed Previous Hourly Census	The Squashed Previous Hourly Census data set is used to calculate certain values. Dimensional Insight recommends that you choose a different data set for analysis.


¹Emergency Department

¹Operating Room

- **Standard DivePlans**, if you want to open information from the **Adjustments**, **Charges**, and **Payments** data sets at the same time. This is useful for analyzing financial information.
3. On the right, click the name of the **data set** that you want to open.
The downloads area for your web browser displays.
 4. Follow your web browser's prompts to open the file.
ProDiver starts.
 5. If prompted, enter your logon credentials.

The data set opens in ProDiver.

Note the following:

- The dimensions on the Console typically show counts of values.
- You can click **Edit > Select Columns** to access all the information in the data set.
- To open another data set or to change the data set that you are viewing, on the ProDiver toolbar, click the **DiveBook** icon .

For more information about the ProDiver tool, see the *ProDiver Help*.