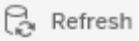
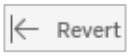
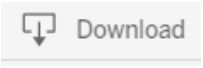
UNIVERSITY of MARYLAND MEDICAL SYSTEM

Tableau Reference Guide

ENTERPRISE DATA & ANALYTICS

SEPSIS: TIMELY ANTIBIOTICS

Helpful Navigation Hints: Recommended browsers include Google Chrome, Firefox or Edge. View will not render properly in Internet Explorer.		
Tool Tip	Hover over visualizations to view tool tip definitions, metrics and details.	
Information	Click on icon for information about specific elements within the view.	
Refresh		Click the refresh button to retrieve the last data upload.
Full Screen		Use Full Screen at top right of the view. Click to exit. Or use the F11 key to display and exit full screen.
Reset All Filters		Use revert to remove all filters or click on the same value to deselect.
Download		Clock download to download image, excel or raw data of dashboard

Filters and Time Frames

Filters

- **Facility** – filters view to show specific hospital within UMMS
- **Ordering Department** – filters view to show specific hospital unit
- **Transfer versus Non-transfer** – filters view to show only transfer patients, only non-transfer patientsor both (default view shows patients NOT transferred into UMMS)
- **ED/Non-ED** – filters view to show patients who has medication ordered through the ED vs NON-ED (default view shows patients medication ordered through the ED)
- **Severe/Shock** – filters view to show severe/shock sepsis, all other sepsis diagnoses or both
- **Pyxis/Omnicell versus pharmacy filter** – shows location medication retrieved
- **Administration date** – filters view to show data within time frame shown on filter
- **Ord dept = admin dept** – filters view to show medications ordered and administered by the same department.

Purpose: The Sepsis Timely Antibiotics dashboard provides information on timely antibiotics (antibiotics administered within 1 hour of order date/time) and contains a rolling 24 months of data for this patient population.

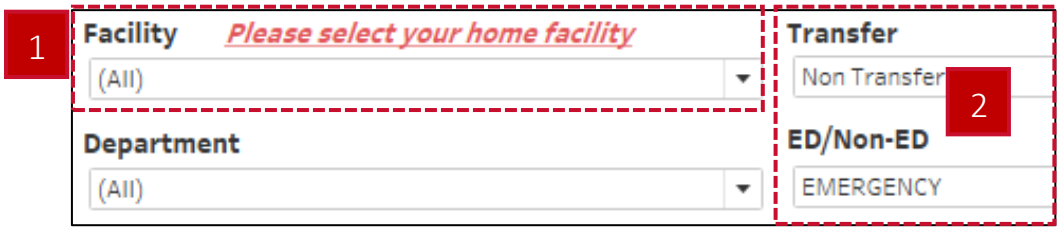
Note	Patients discharged in the last 30 days may not show up in the dashboard until the following month due to the timing of final coding.

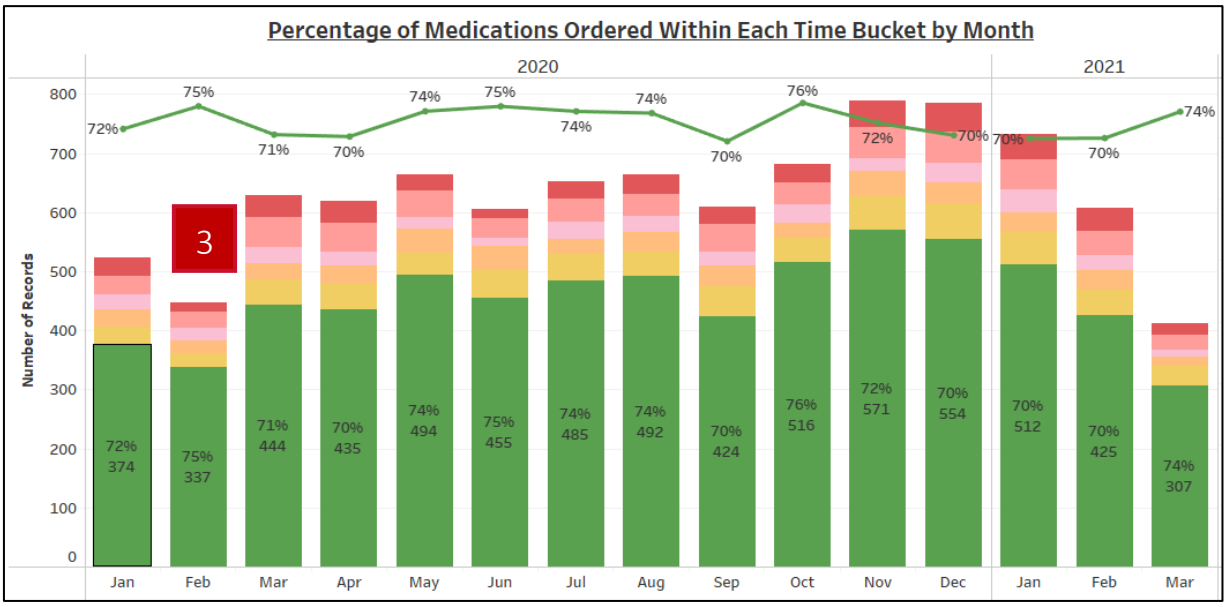
- The dashboard includes the first administered medication in that hospital visit for patients who were diagnosed with a principal (final) diagnosis code of Sepsis in any position.
- Click here to access Wiki page for more details.
- Click Sepsis Timely ABX to interact with the visualization.

1. Time Trend

1. Select your facility using the **Facility** drop-down filter in the filters section
2. Transfer and ED/Non-ED filters default to **Non-transfer and Emergency**
3. Column graph filters to monthly time buckets for facility specific antibiotics

Click tabs at top of visualization to access the **Compliance, Facility Details and Indication**





Tool Tip	1. Table pop ups on hover over monthly buckets 2. Tooltip table shows count of top 5 medications administered within time 3. Time buckets identified by color legend shown below • **Target Not Met:** variations of yellow and red colored buckets • **Target Met:** green colored buckets

1

Medication Name	0-60 Minutes
CEFTRIAXONE	108
PIPERACILLIN-TAZOBACTAM	107
CEFEPIME	38
VANCOMYCIN	22
CEFEPIME-DEXTROSE	9

2

3

Note	**Data Refresh Times and Frequency**: Data contained in Tableau data source in the dashboard refreshed weekly.

2. **Compliance:** Same filters as the Time Trend view with more details.
   1. Select your facility using the facility drop-down filter in the filters section (same as Time Trend)
   2. View shows overall facility compliance (% of medications administered within 1 hour of order date/time) in the top bar followed by a table showing compliance by hospital unit
   3. View also shows count of antibiotics ordered, median minutes from order to administration and non-compliance percentage filtered by unit with greatest number of medications
   4. Compliance targets and legend shown above charts

2

	UM BWMC	UM CRMC
% Compliant	60%	65%
Abx Admin within 1 hr of Order	1,446	758
Median Minutes	49	45

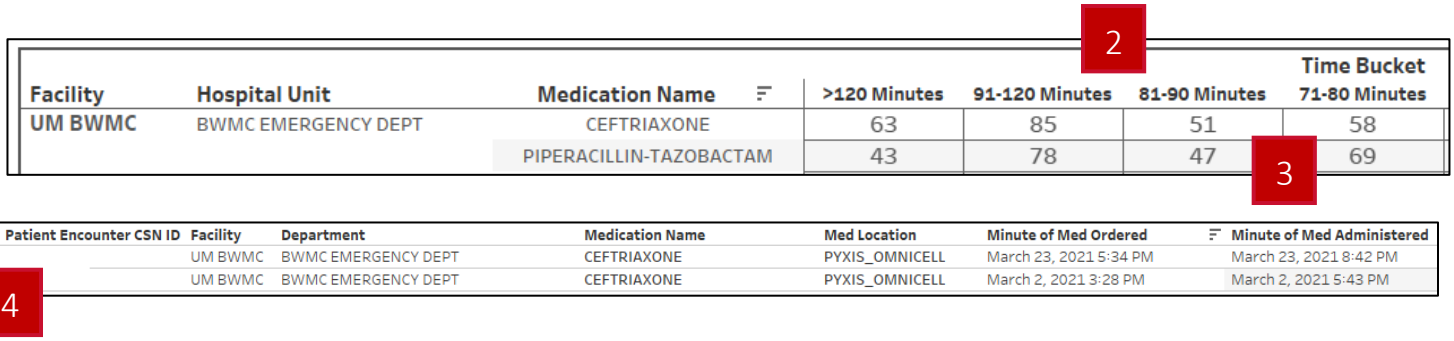
3

Unit Breakdown

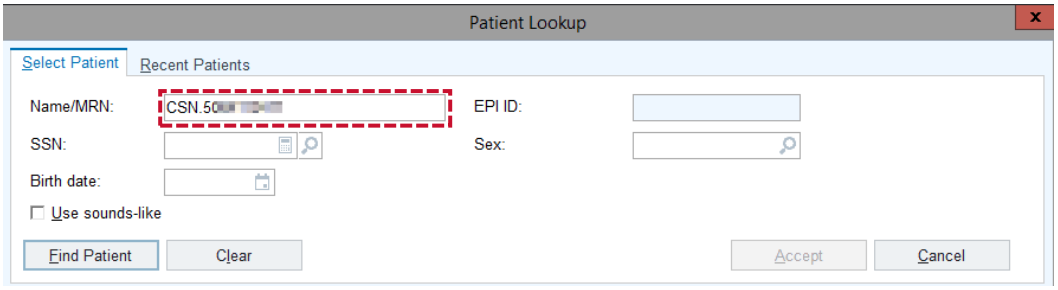
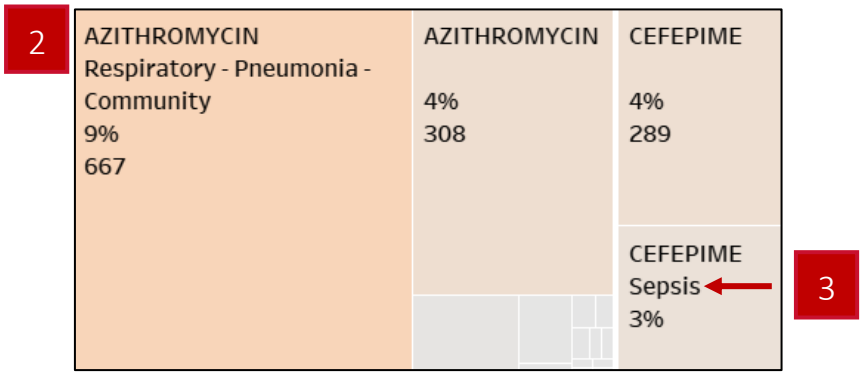
Medication Name		Grand Total	BWMC EMERGENCY DEPT
Grand Total	Number of Records	7,303	2,396
	Abx Admin within 1 hr of Ord..	4,730	1,446
	% Compliant	65%	60%
	% Non-compliant	36%	40%
PIPERACILLIN-TAZOBACTAM	Number of Records	2,868	1,003
	Abx Admin within 1 hr of Ord..	2,044	698
	% Compliant	71%	70%
	% Non-compliant	29%	32%

4

3. **Facility Details:** Same filters as the Time Trend view with more details.
   1. Select your facility using the facility drop-down filter in the filter section
   2. View shows count filtered by longest time bucket by Facility, Hospital Unit and Medication
   3. Click on medication count on the right to filter to case details below
   4. Bottom chart shows encounter details: patient ID, Facility, Unit, Medication, Medication location, med order date/time and med administered date/time.



Note	If searching for patients in EPIC, a **CSN ID** may require users to enter "CSN." before the number in the ID search field in EPIC.



4. **Indication:** Same filters as the Time Trend view with more details. **Please note that all medications with the indication of prophylaxis are removed from the dashboard.**
   1. Select your facility using the facility drop-down filter in the filter section
   2. Heat map shows medications administered filtered by greatest number of medications (darker color = greater medication count)
   3. View also shows the indication for the medication being ordered