



External Ventricular Drain (EVD) Management Post Insertion Clinical Pathway Report

Clinical Pathway 2nd Quarter Report 2017

Data Collection Period: 01 April 2017 - 30 June 2017

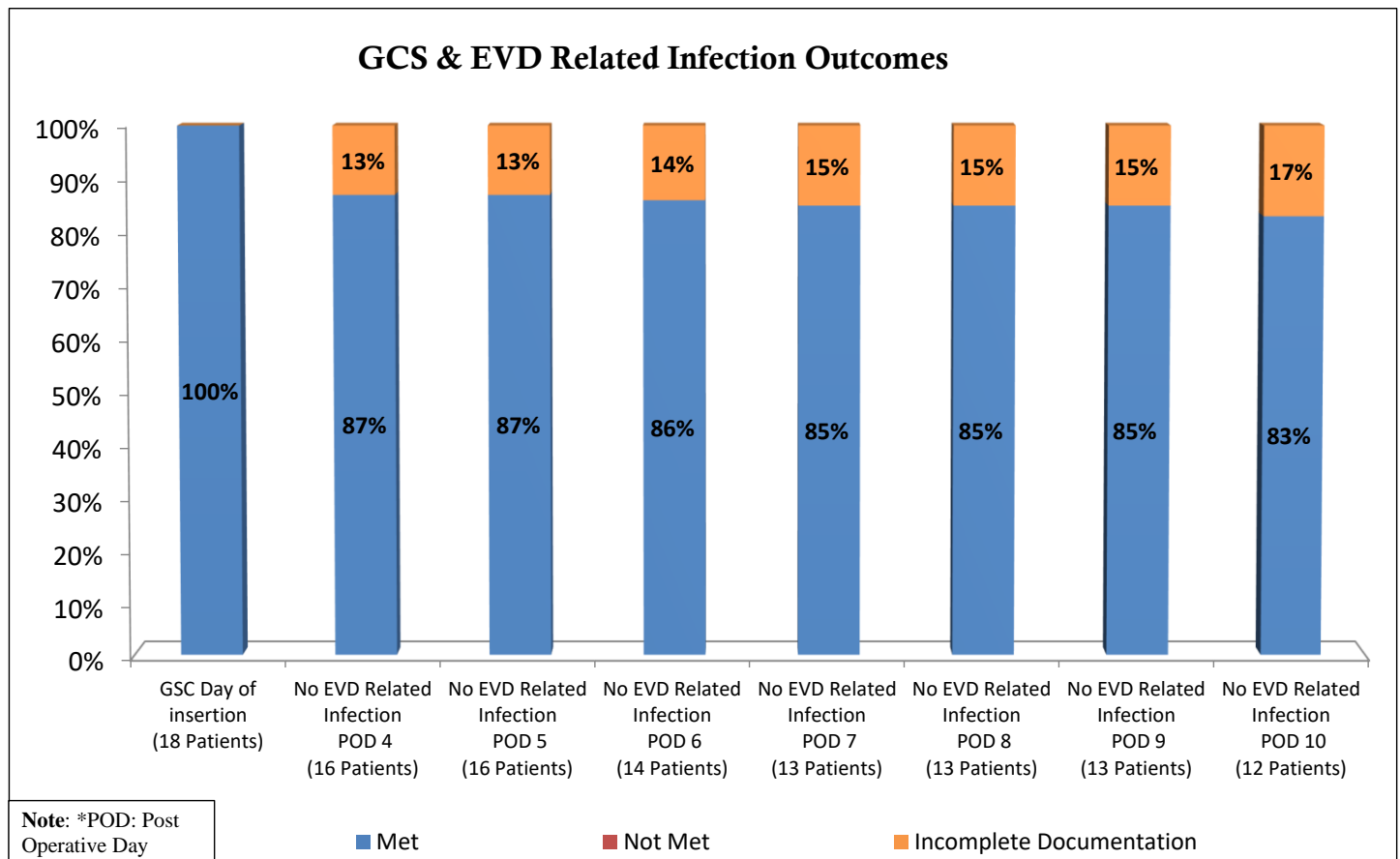
Units using the clinical pathway: C1, SSCU B, MICU C, PICU & A2

Data Sources: Retrospective review of Clinical Pathways

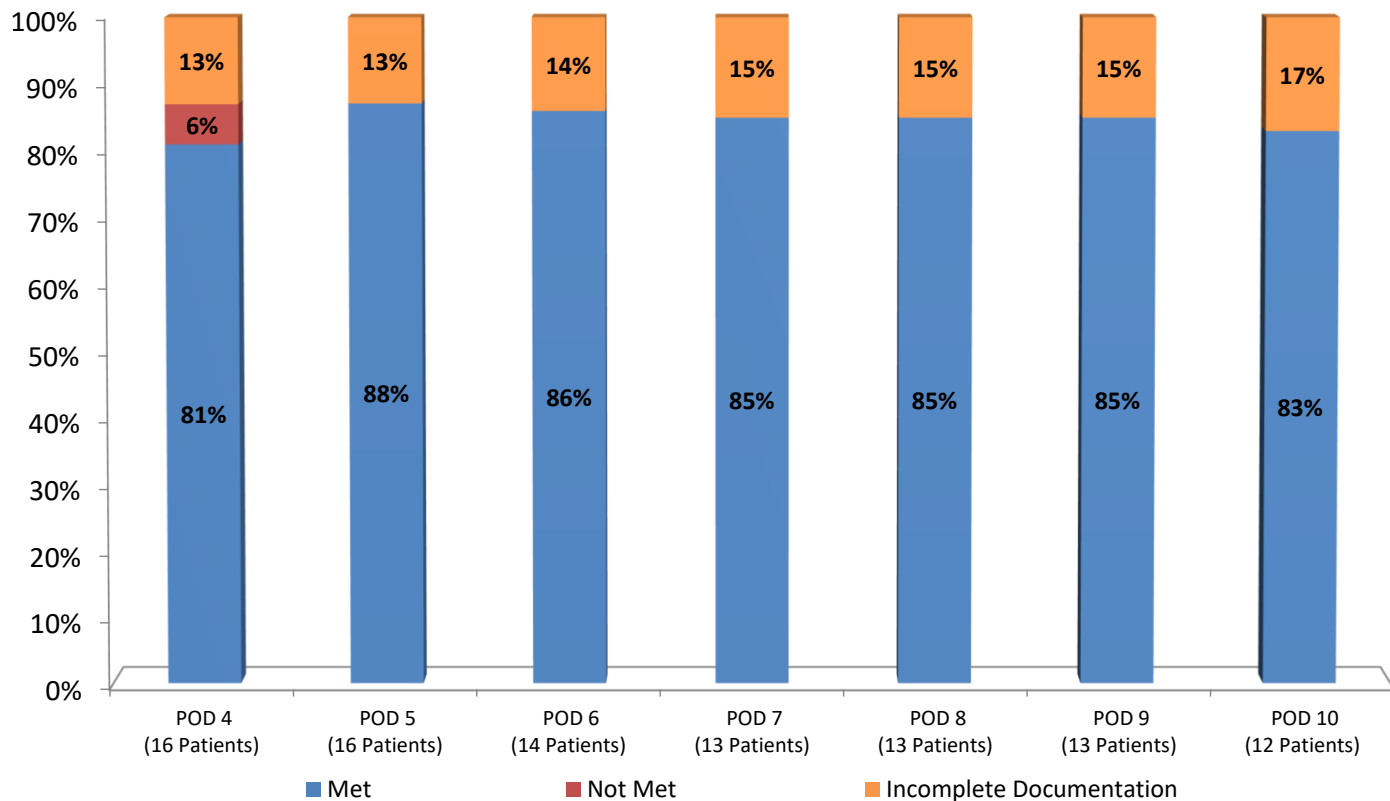
Number of patients who had EVD insertion: 18

Number of patients managed on the Clinical Pathway: **18 (100%)**

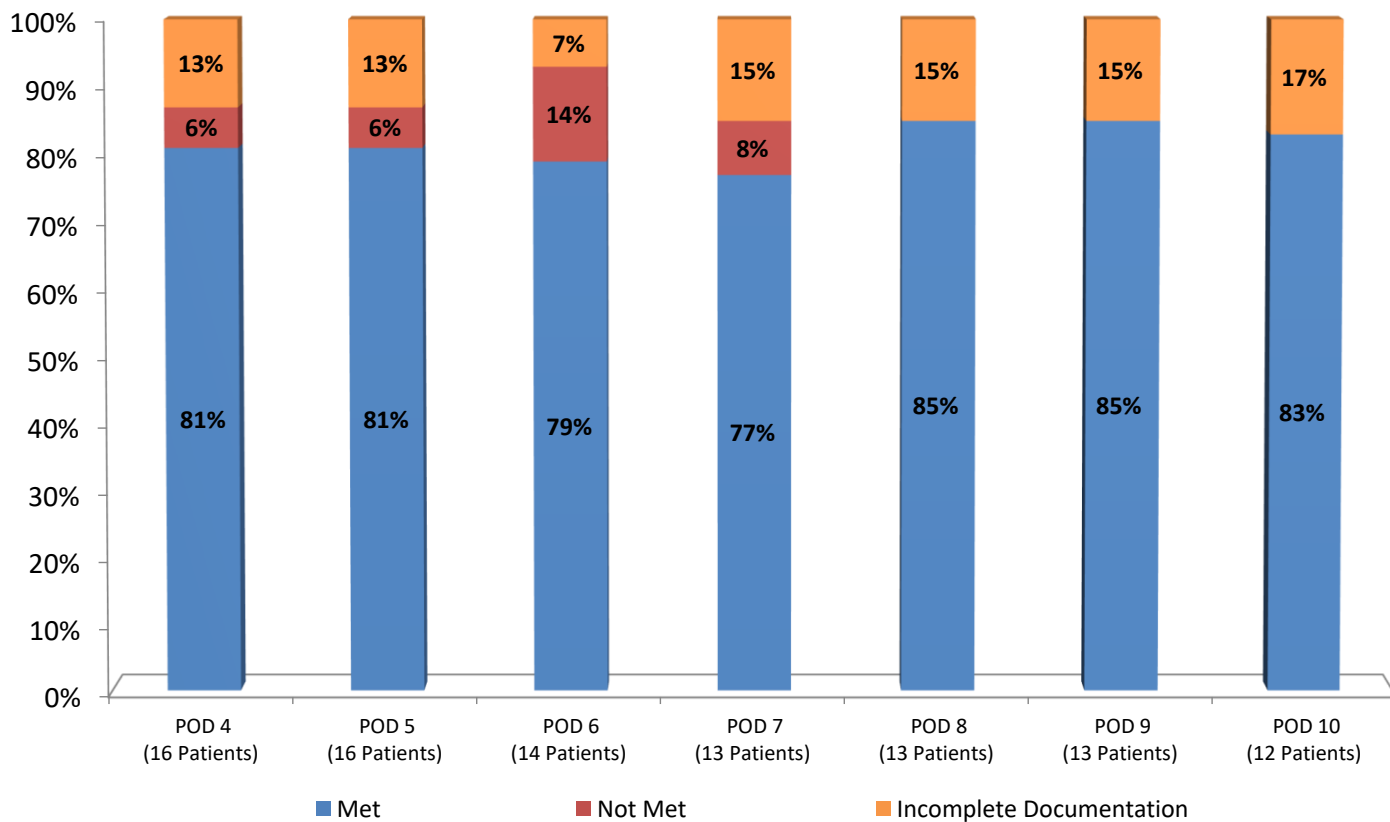
Clinical Pathway Documentation Compliance				
Discipline	No. of Adult Patients	No. of Peds Patients	Complete Documentation	Incomplete Documentation
Medical Doctor	5	13	100%	0%
C1 Nurse	2	2	100%	0%
A2 Nurse	0	6	100%	0%
PICU Nurse	0	5	78%	22%
SSCU-B Nurse	3	0	100%	0%



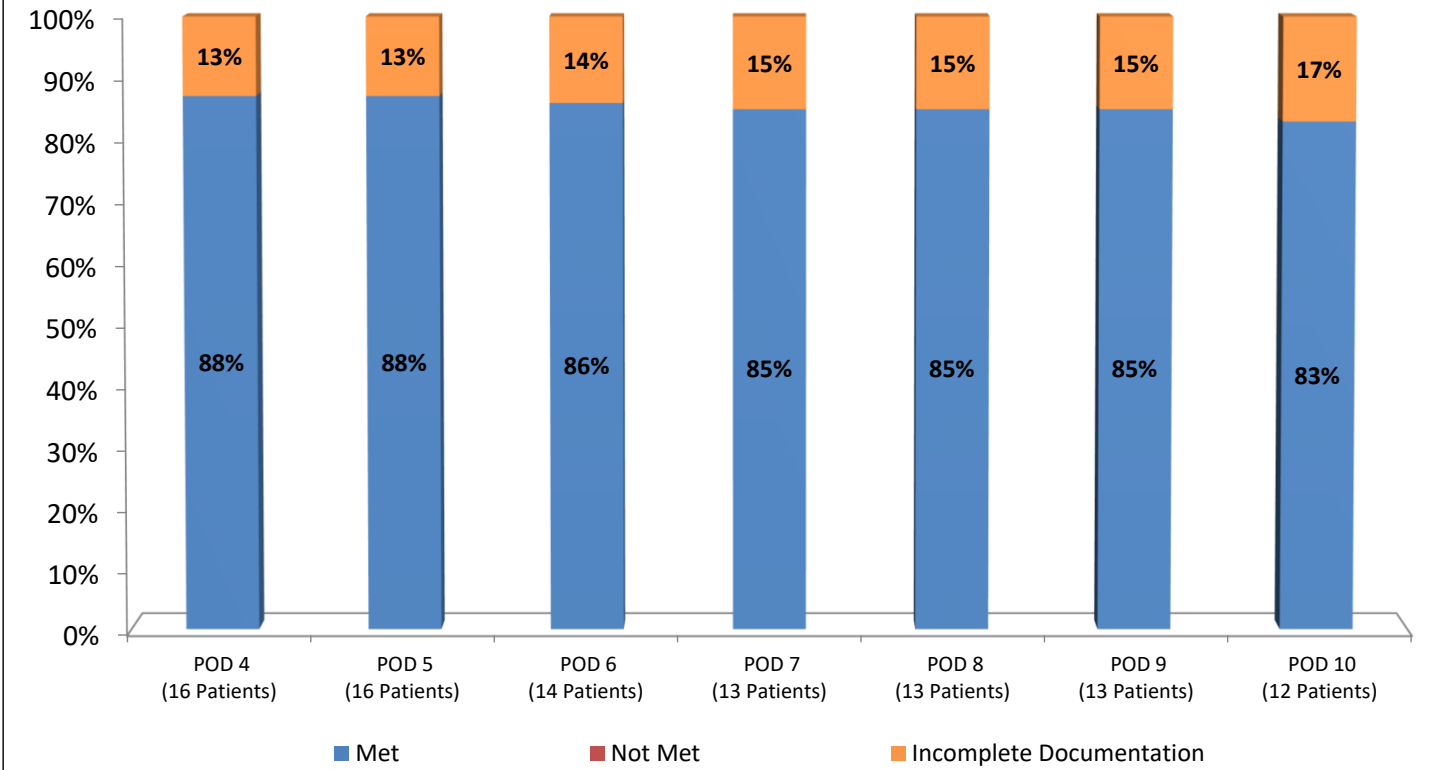
Fluid Balance Outcome From Day 4 Onward



Normal Electrolyte Outcome From Day 4 Onward



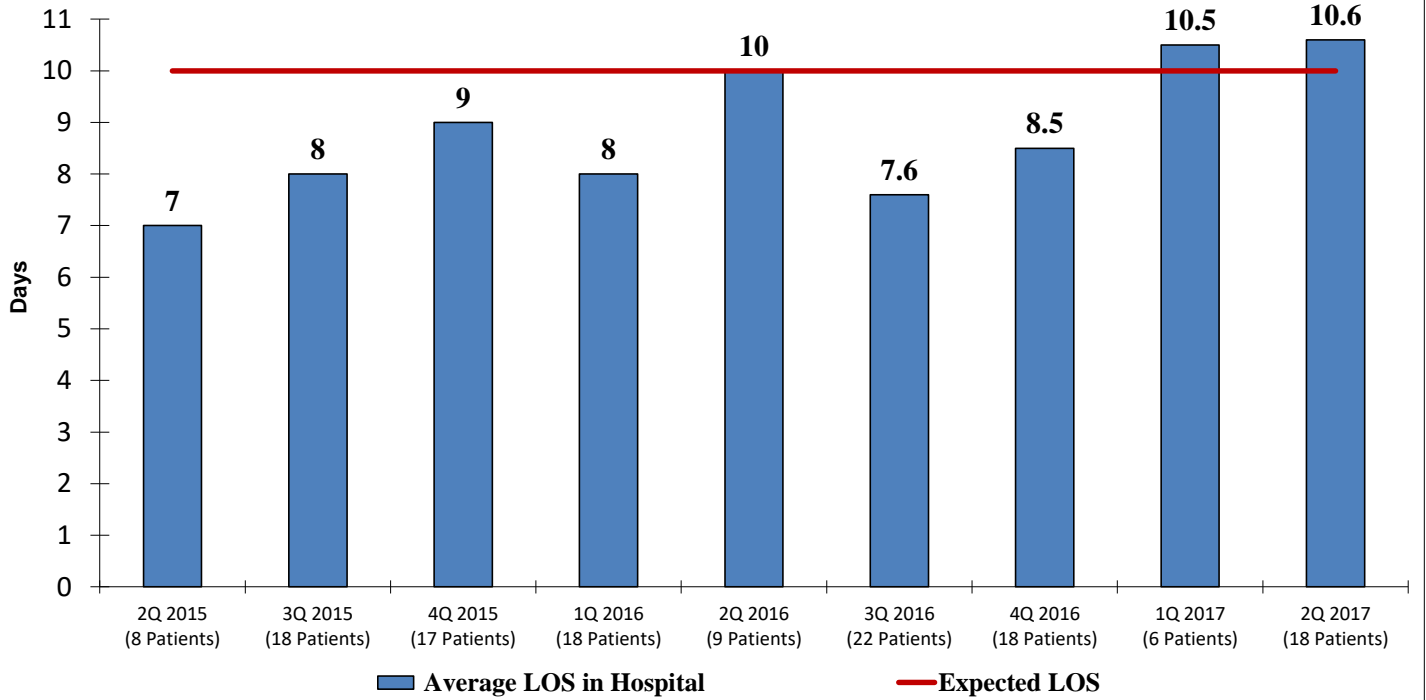
Wound Outcome From Day 4 Onward



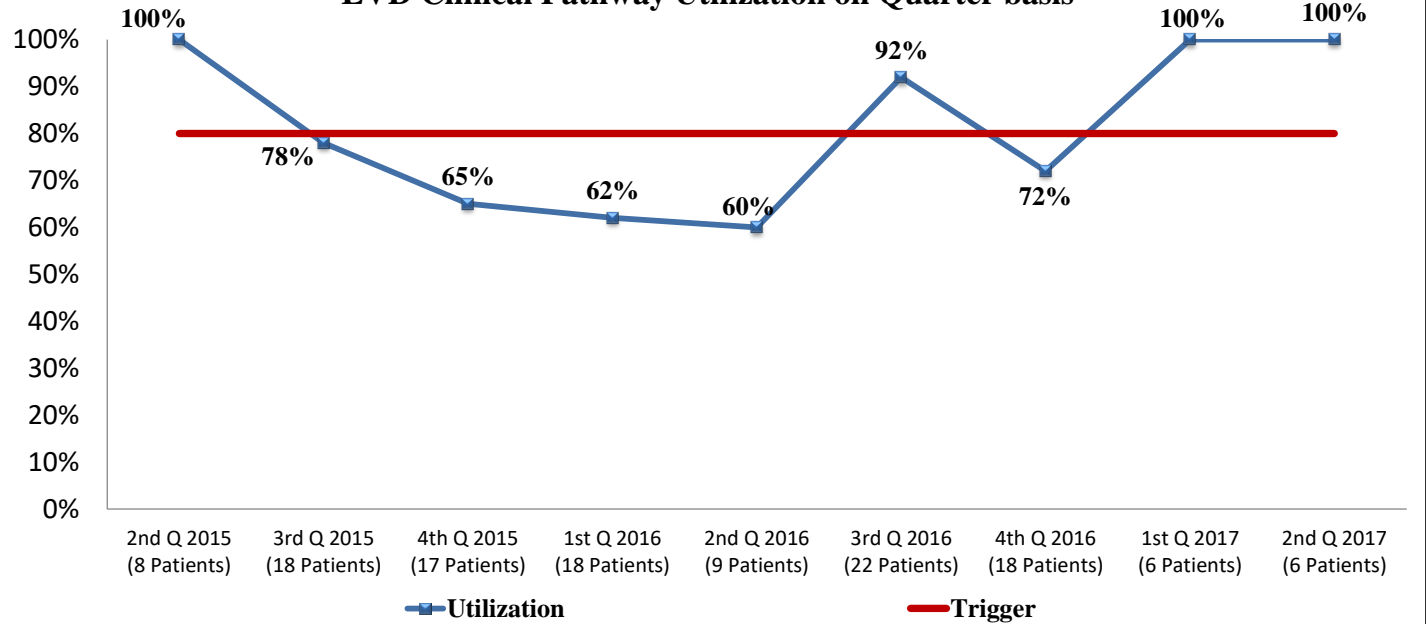
Status of all the Inserted EVD's who were put on the clinical pathway

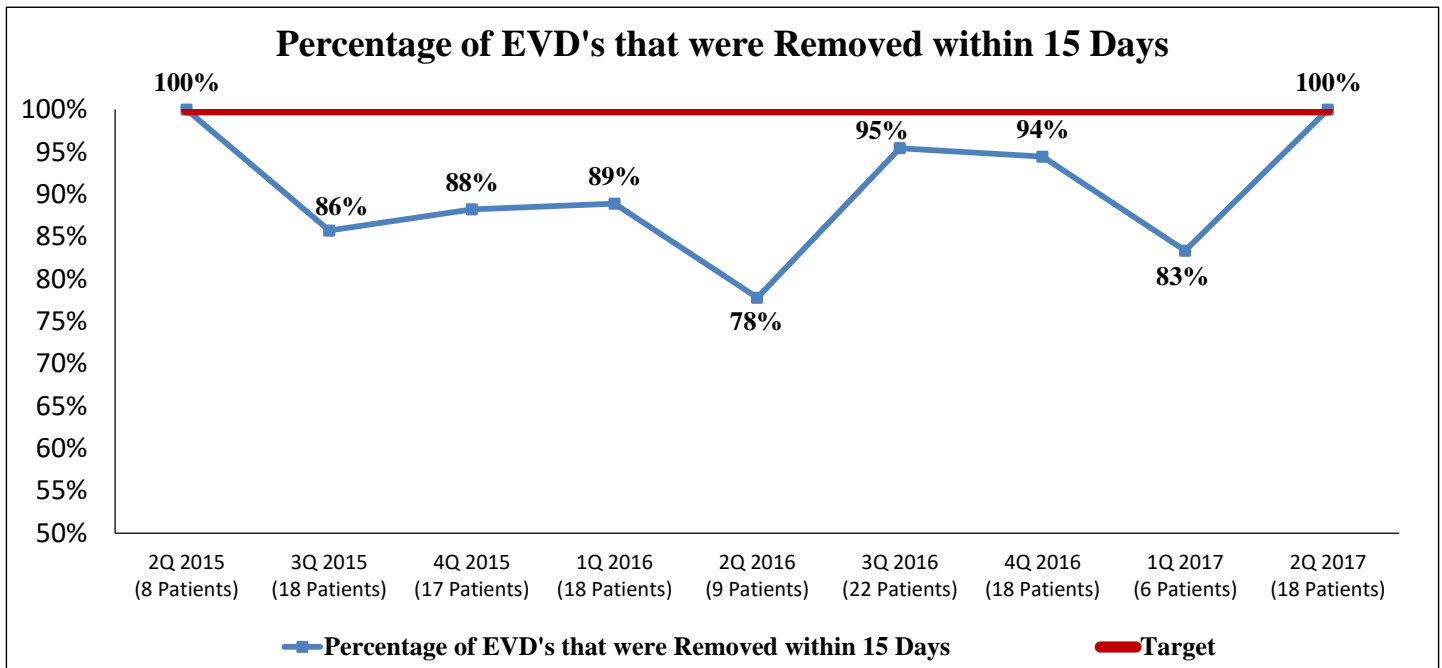
Day 2	One (1) EVD removed
Day 3	One (1) EVD removed
Day 5	One (1) EVD removed accidentally and One (1) EVD clamped
Day 6	One (1) EVD removed and replaced to VP Shunt
Day 9	One (1) EVD removed and replaced
Day 10	Two (2) EVD removed and replaced
Day 11	Five (5) EVD removed and Two of the are replaced
Day 13	Two (2) EVD removed and replaced
Day 14	Two (2) EVD replaced
Day 15	One (1) EVD removed

Average Length of Stay (LOS) in the Hospital



EVD Clinical Pathway Utilization on Quarter basis





Measure:

The long-term outcome for this clinical pathway is **(100%)** removal of all EVD's within 15 days.

Findings:

1. This quarter **100%** of the EVDs were removed within 15 days (**n= 18 out of 18 EVD's**)
2. This quarter utilization is **excellent**.

Action plan:

1. Continue monitoring the EVD tracking sheet that was established by SSICU-B to keep track of the patients with the pathway.
2. The report to be shared with the respective Healthcare Provider/ Medical Quality Director / Clinical Pathway Coordinator
3. Encourage the Healthcare Providers to utilize the clinical pathway nurse champion as a resource for any clarifications.
4. In-Services will be provided to the units where the Clinical Pathway is implemented to improve documentation and utilization

Recommendations:

1. Keep track of the pathways and pull them from the chart to be sent to MBC#19.
2. Physician / Nurse champions to emphasize on the importance of EVD removal within **15 days** from insertion, if patient is Neurologically stable.
3. EVD life span was extended to 15 days instead of 10 based on new evidence; consequently this will be reflected in the next revision of the clinical pathway.