



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

Clinical Pathway 3rd Quarter Report 2019

Data Collection Period: 1 July 2019-30 September 2019.

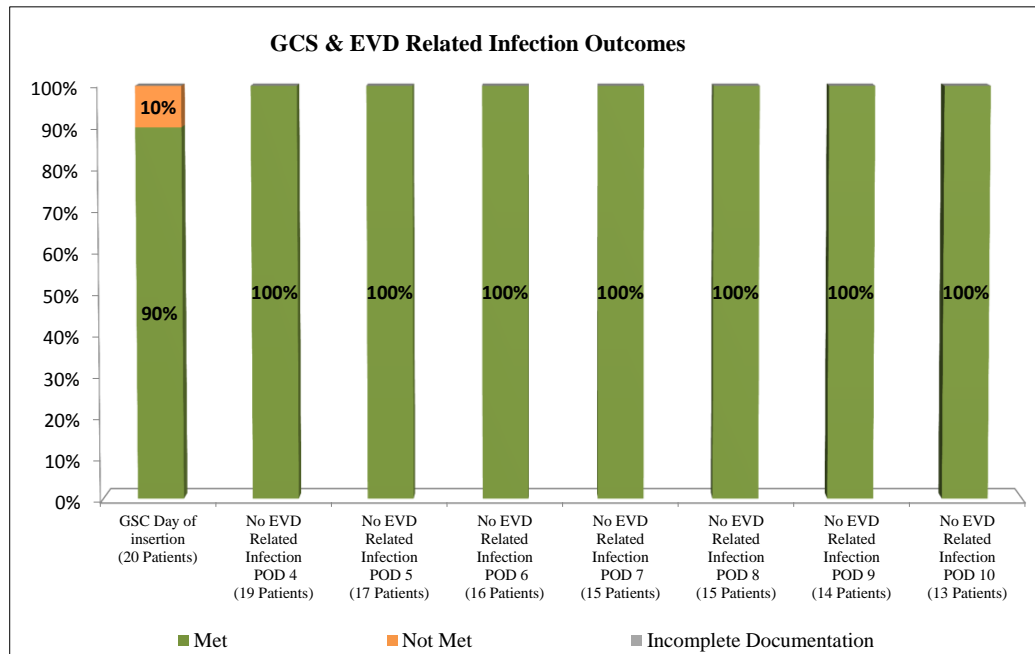
Units using the clinical pathway: C1, SSCU B, MICU C, PICU & A2

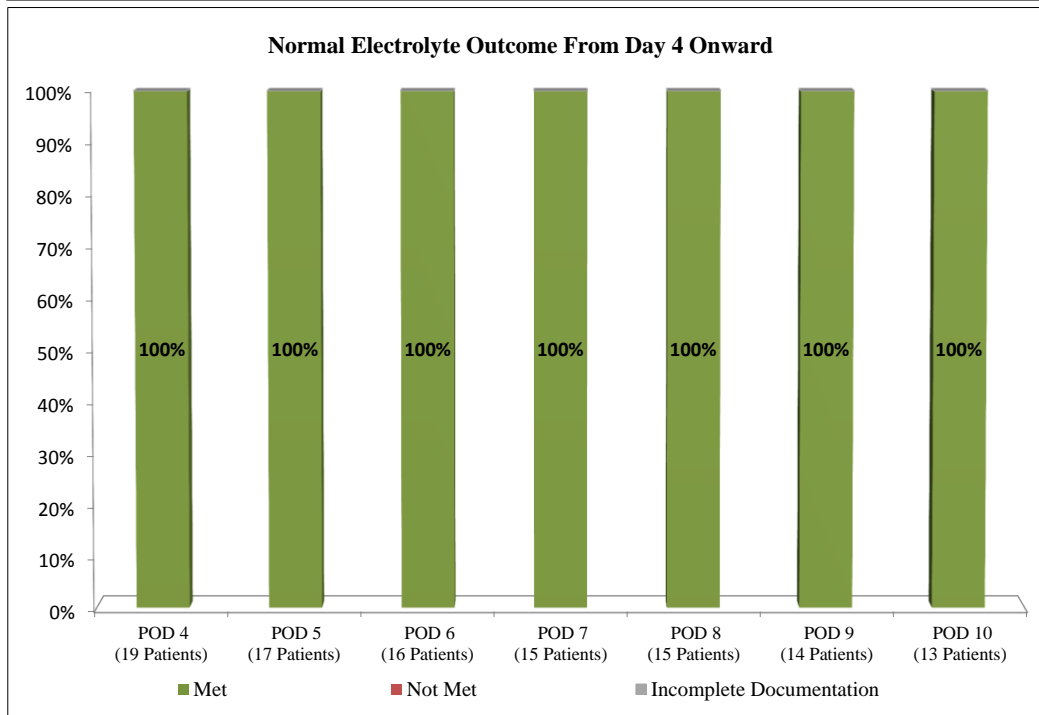
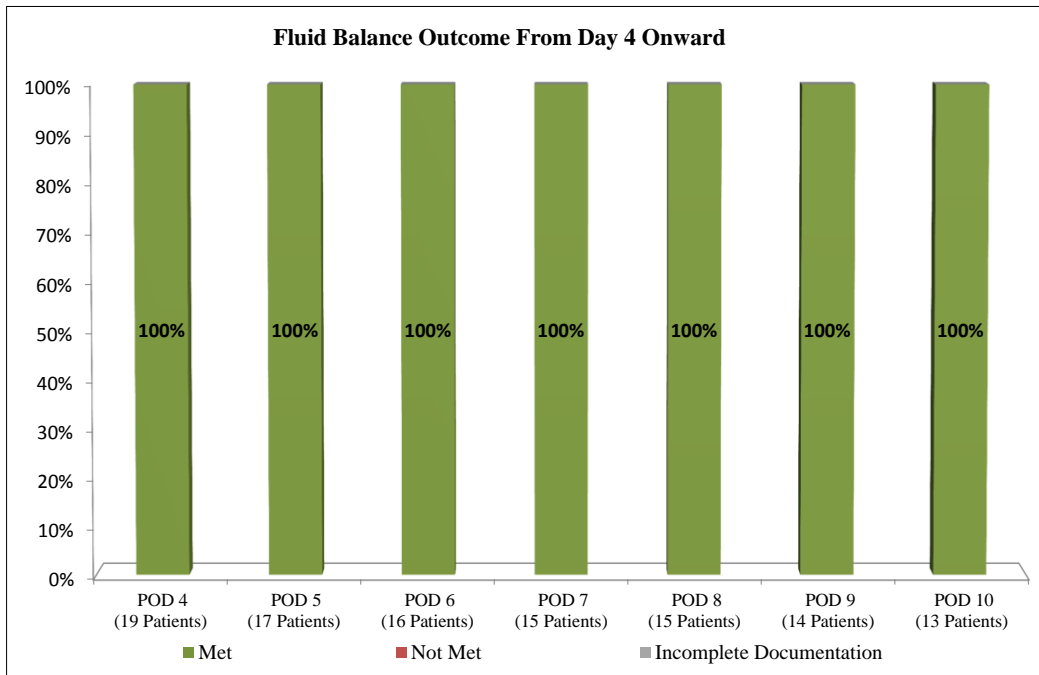
Data Sources: Retrospective review of Clinical Pathways

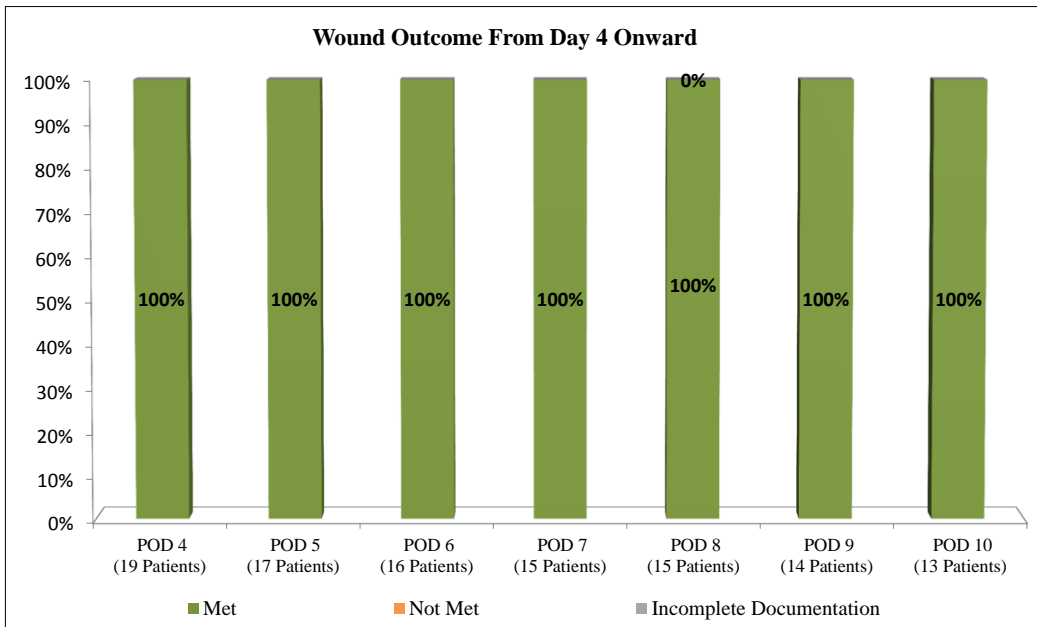
Number of patients who had EVD insertion: 20.

Number of patients managed on the Clinical Pathway: **20 (100%)**.

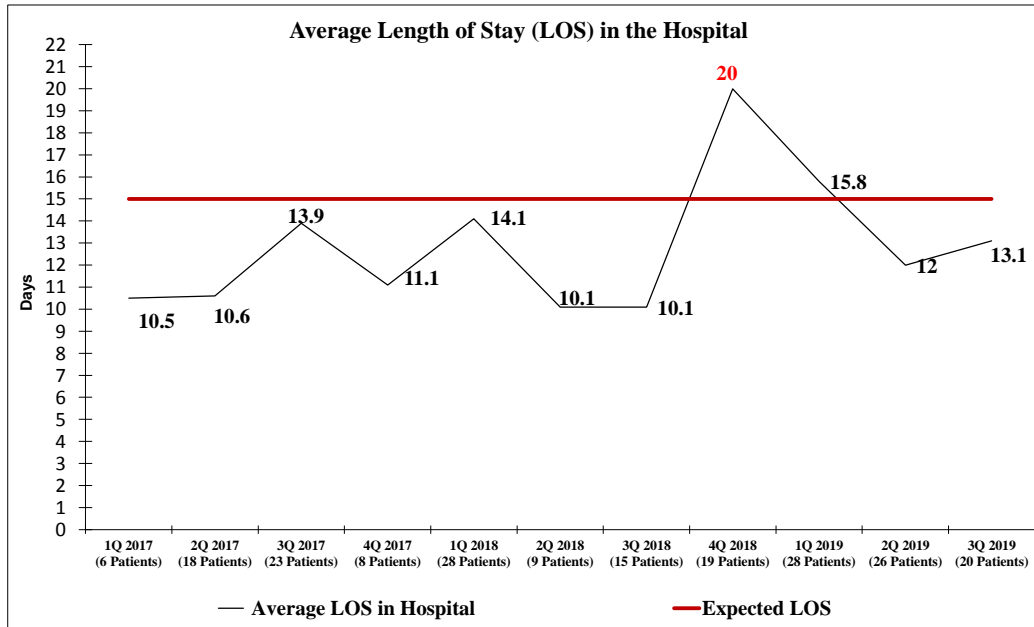
Clinical Pathway Documentation Compliance				
Discipline	No. of Adult Patients	No. of Peds Patients	Complete Documentation	Incomplete Documentation
Medical Doctor	10	10	80%	20%
C1 Nurse	4	5	90%	10%
PICU Nurse	0	2	100%	0%
MICU-10 Nurse	1	0	100%	0%
SSCUB Nurse	4	0	100%	0%
A2 Nurse	0	4	90%	10%

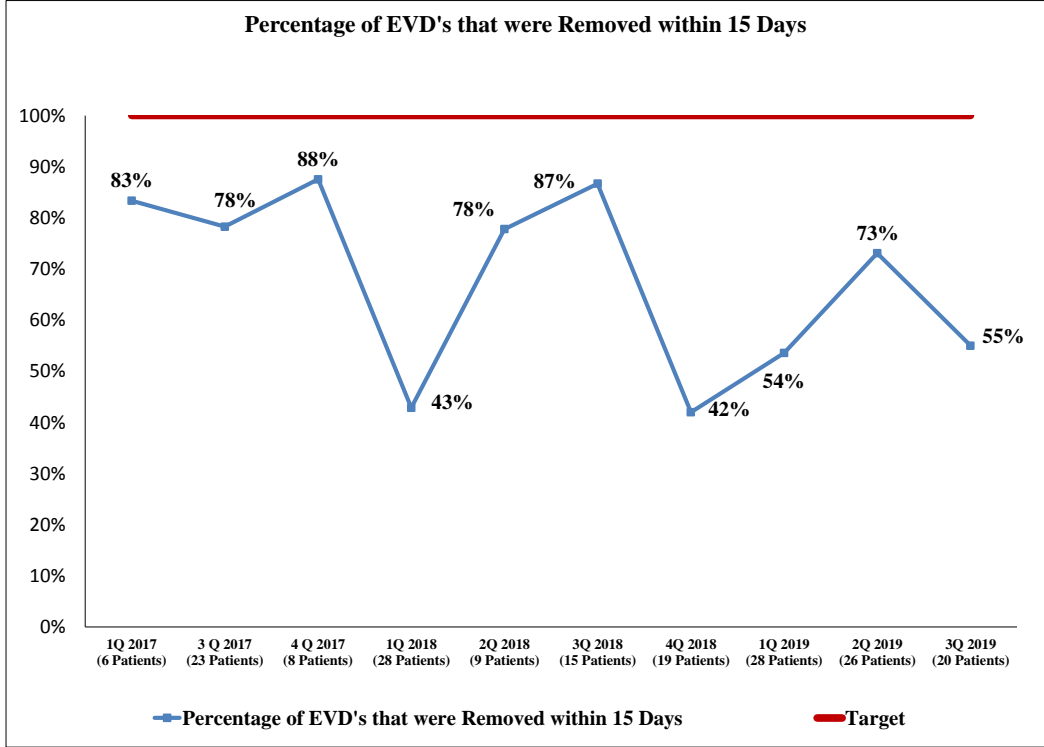
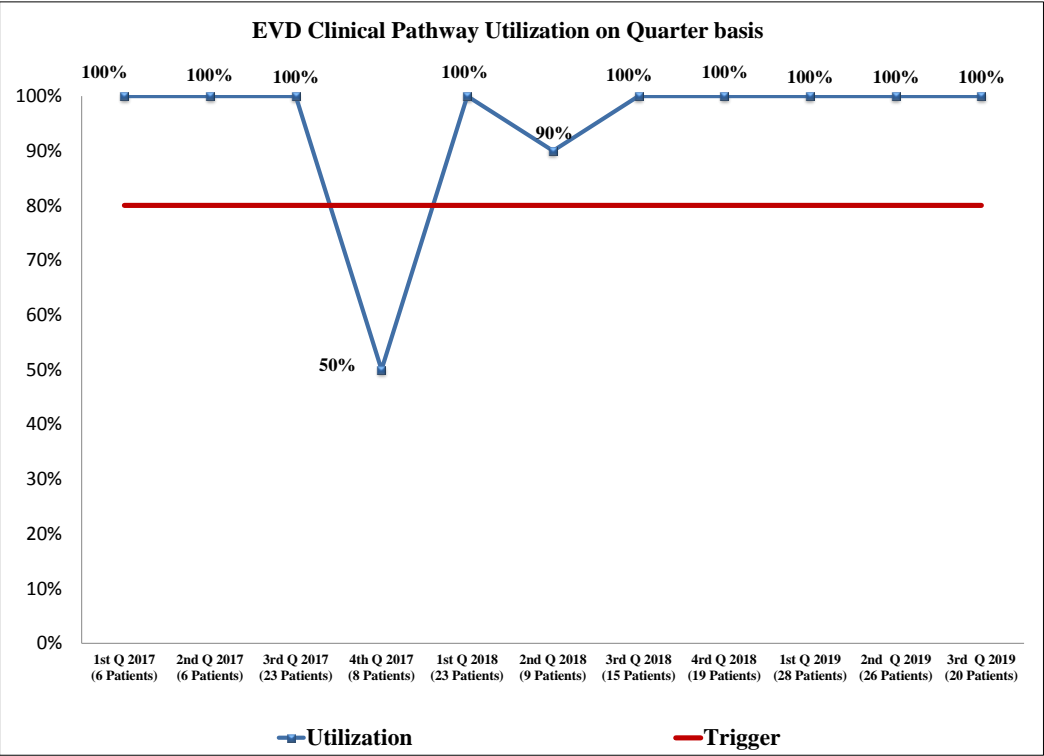






Status of all the Inserted EVD's who were put on the clinical pathway	
Day 4	One (1) EVD was removed
Day 5	Two (2) EVD were removed
Day 6	One (1) EVD was removed
Day 7	One (1) EVD was removed
Day 9	One (1) EVD was removed
Day 10	One (1) EVD was removed
Day 11	One (1) EVD was removed
Day 14	Two (2) EVD were removed
Day 15	One (1) EVD was removed
Day 15+	Nine (9) EVD were removed





**Measure:**

The ultimate outcome of this clinical pathway is removal of all EVDs within 15 days (100 %).

**Findings:**

1. This quarter 55 % of the EVDs were removed within 15 days (n= 11 out of 20 EVD's)
2. This quarter utilization is 100%.

**Action plan:**

1. The report to be shared with the respective Healthcare Provider/ Medical Quality Director / Clinical Pathway Coordinator
2. Encourage the Healthcare Providers to utilize the clinical pathway nurse champion as a resource for any clarifications.
3. The automated clinical pathway went live since 3 December 2017. Few modifications were requested based on end users' feedback.
4. The initiation of EVD clinical pathway will be limited only to Neurosurgery physicians
5. The EVD life span is now exceeding 15 days; A verbal communication with the EVD MD CP Coordinator supported this practice based on newly and current evidence as long as no infection is encountered; this will be reflected in the next due revision of the pathway.

**Recommendations:**

1. Physician / Nurse champions to emphasize on the importance of EVD removal within 15 days from insertion, if patient is Neurologically stable.