



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

Clinical Pathway 3rd Quarter Report 2017

Data Collection Period: 01 July 2017 - 30 September 2017

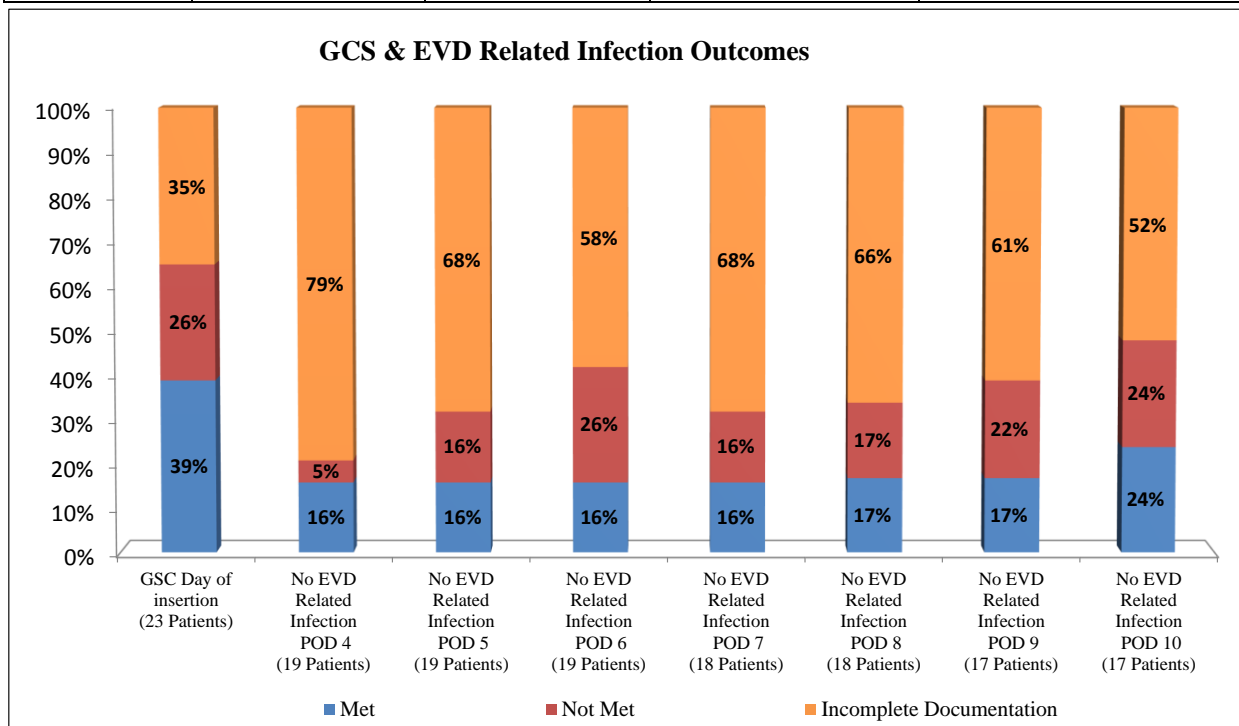
Units using the clinical pathway: C1, SSCU B, MICU C, PICU & A2

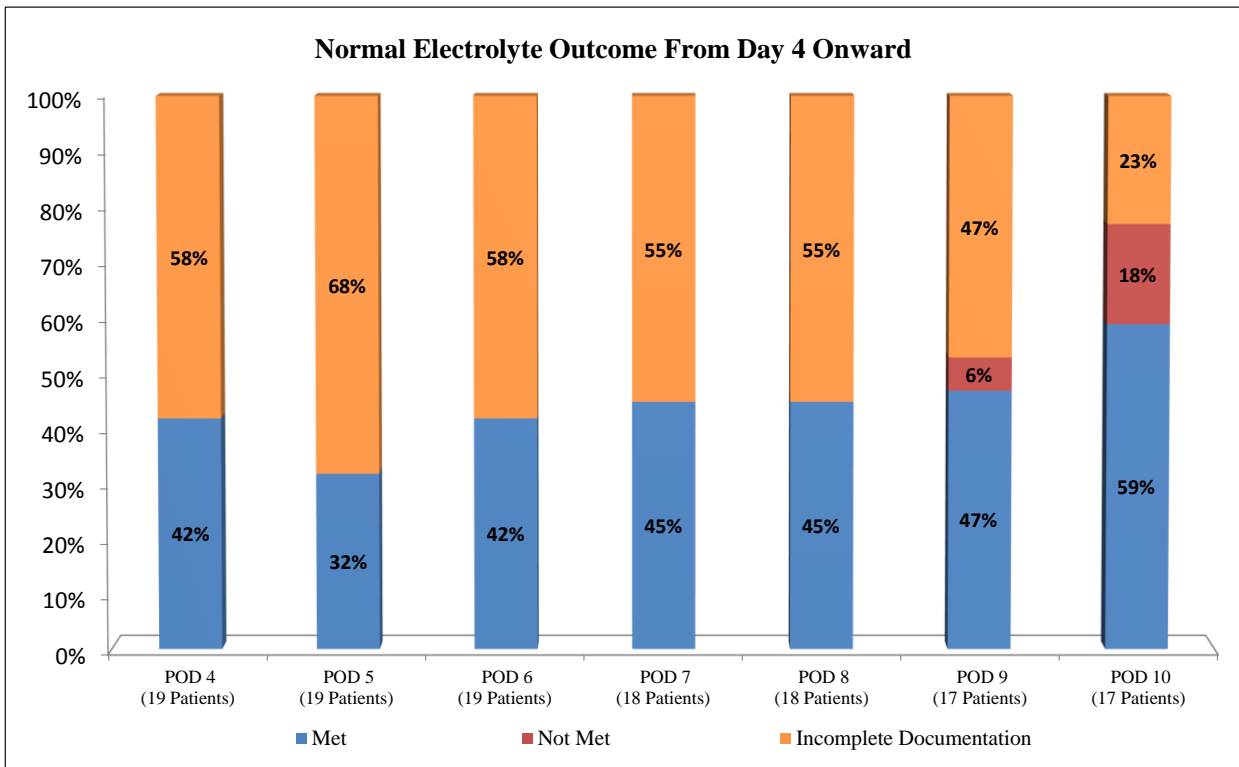
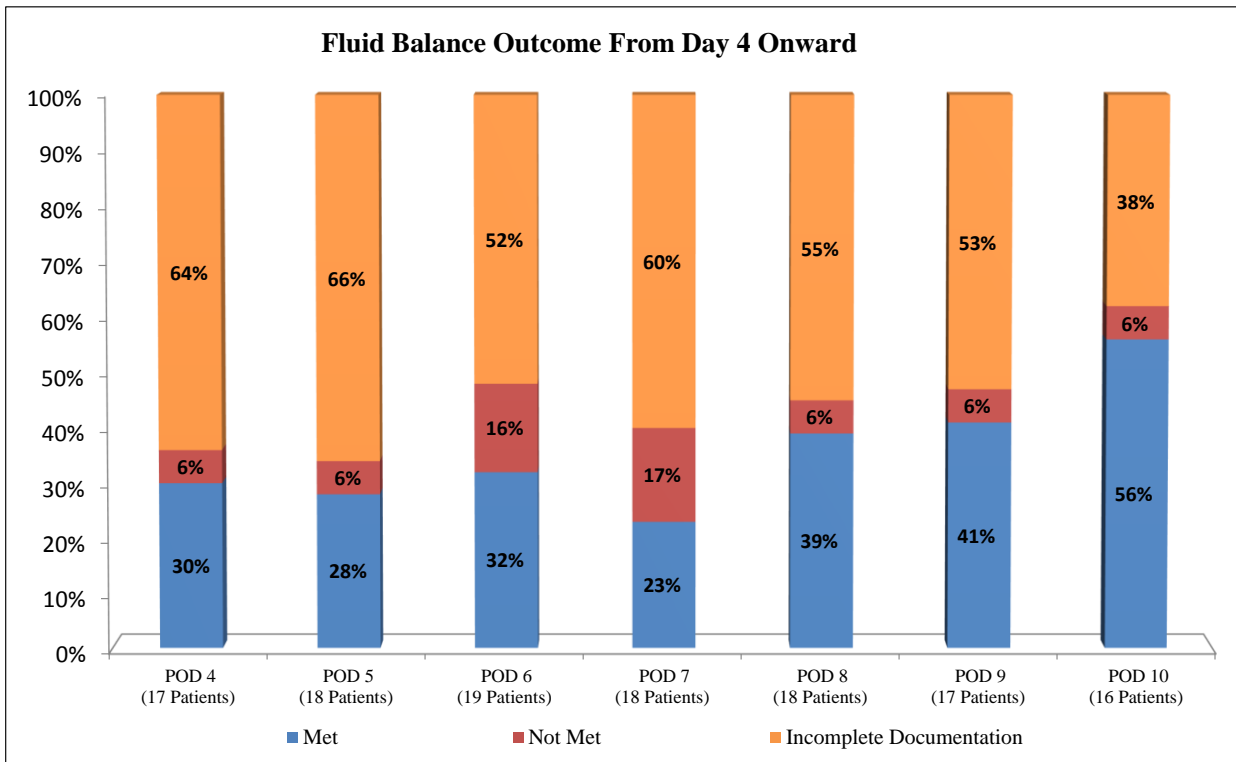
Data Sources: Retrospective review of Clinical Pathways

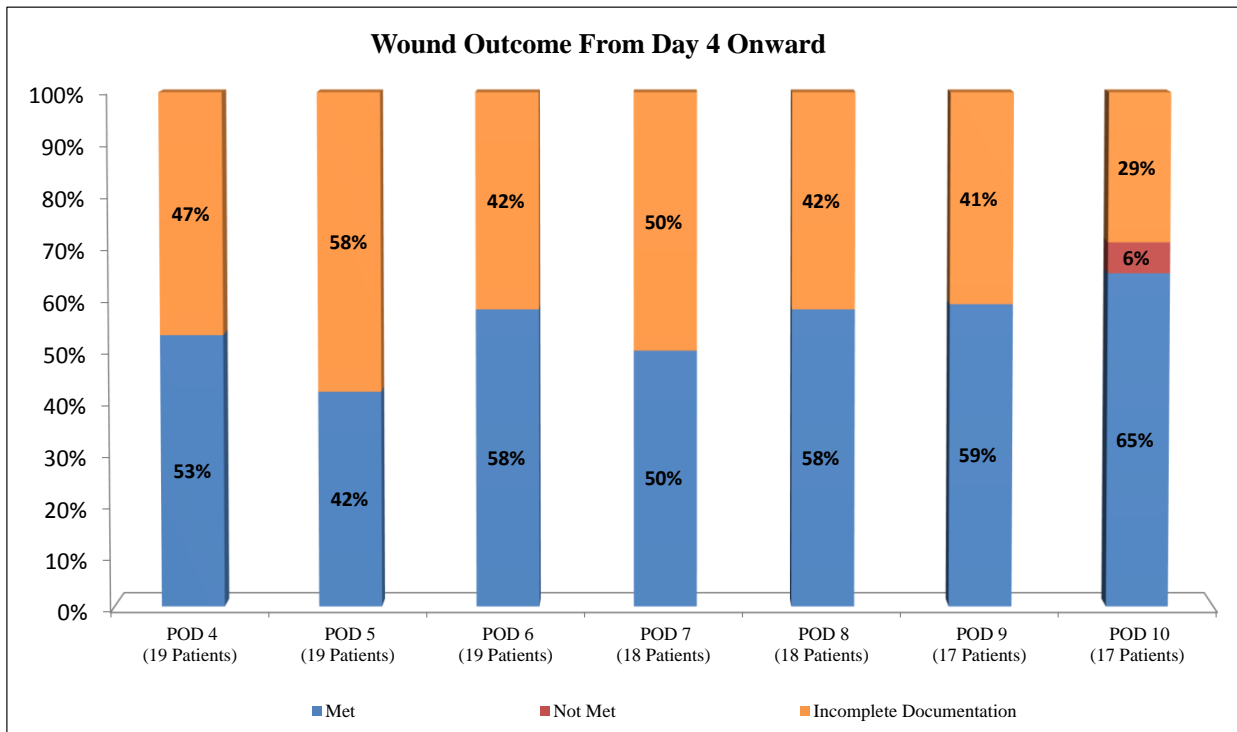
Number of patients who had EVD insertion: 23

Number of patients managed on the Clinical Pathway: **23 (100%)**

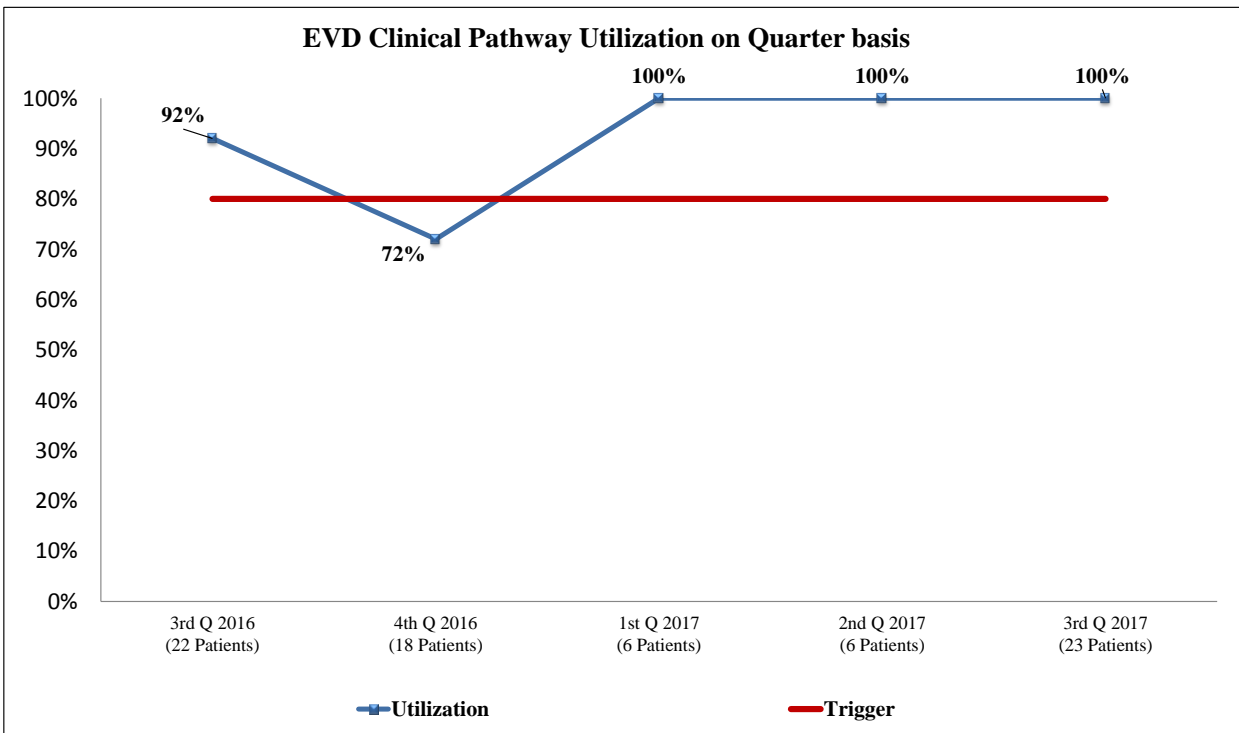
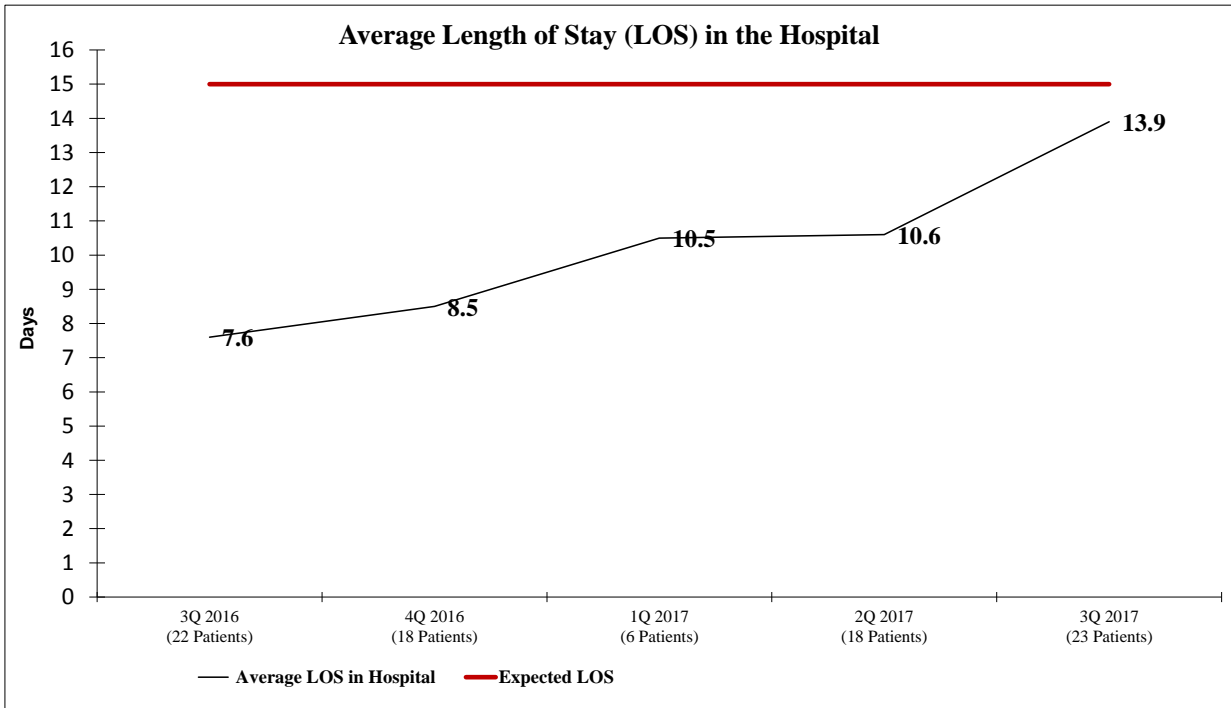
Clinical Pathway Documentation Compliance				
Discipline	No. of Adult Patients	No. of Peds Patients	Complete Documentation	Incomplete Documentation
Medical Doctor	4	19	78%	22%
C1 Nurse	2	8	52%	48%
A2 Nurse	0	6	52%	48%
PICU Nurse	0	5	66%	34%
SSCU-B Nurse	2	0	50%	50%

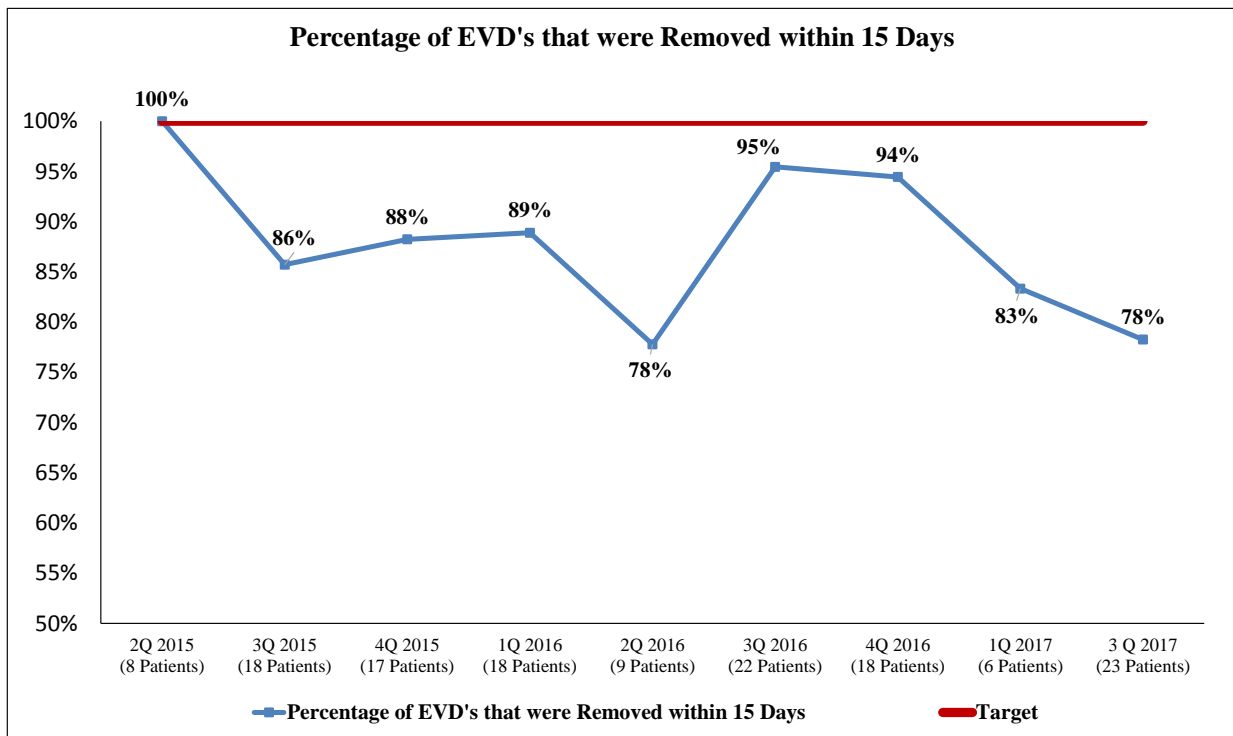






Status of all the Inserted EVD's who were put on the clinical pathway	
Day 2	One (1) EVD was removed
Day 4	Three (3) EVD were removed and one (1) converted to VP shunt
Day 6	One (1) EVD was removed
Day 8	One (1) EVD was removed
Day 10	Three (3) EVD were removed and one (1) converted to VP shunt
Day 11	Two (2) EVD were removed and replaced
Day 12	Four (4) EVD were removed
Day 14	Two (2) EVD were replaced
Day 15	One (1) EVD was removed and converted to VP shunt
Day 21	Two (2) EVD were removed
Day 32	One (1) EVD was removed
Day 33	One (1) EVD was converted to VP shunt
Day 42	One (1) EVD was removed





Measure:

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

Findings:

1. This quarter **78%** of the EVDs were removed within 15 days (**n= 18 out of 23 EVD's**)
2. This quarter utilization is excellent **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 is finalized by the author team, all education sessions were provided to the relevant end-users except the Neurosurgeons. The Clinical Pathway CNC will send an email once the session is provided to go live.
- 4 Once the automation is complete, there will be an overlapping period during which clinical pathway will be used in 2 different formats at the same time (paper and electronic copy) until validation is complete; relevant in-service will be provided on due time.

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.