



## External Ventricular Drain Management Post Insertion Clinical Pathway Report

Clinical Pathway 3rd Quarter Report 2016

Data Collection Period: 01 July 2016 - 30 September 2016

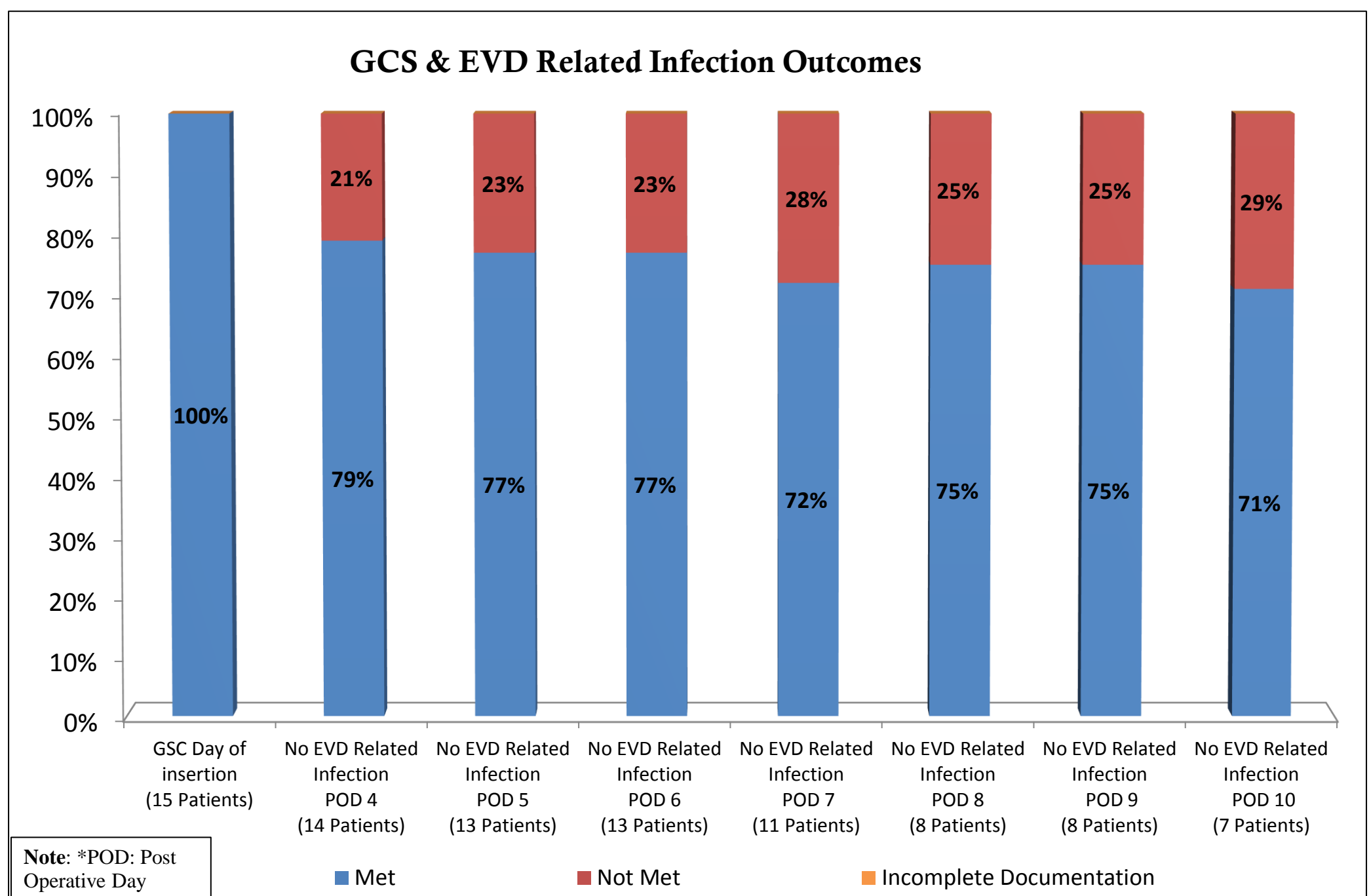
Units using the clinical pathway: C1, SSCU B, MICU C, PICU & A2

Data Sources: Retrospective review of Clinical Pathways

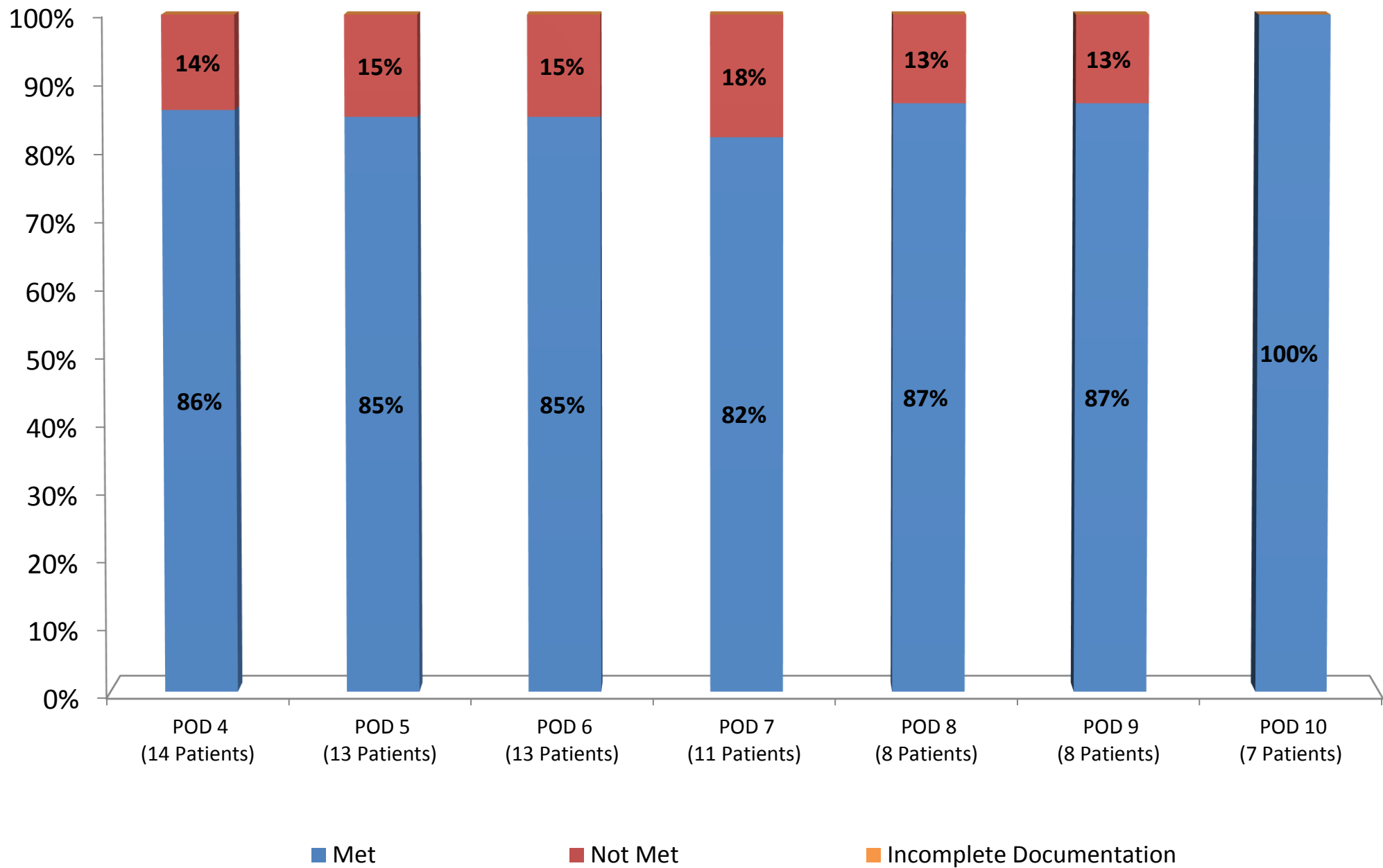
Number of patients who had EVD insertion: 24

Number of patients managed on the Clinical Pathway: **22** (92%)

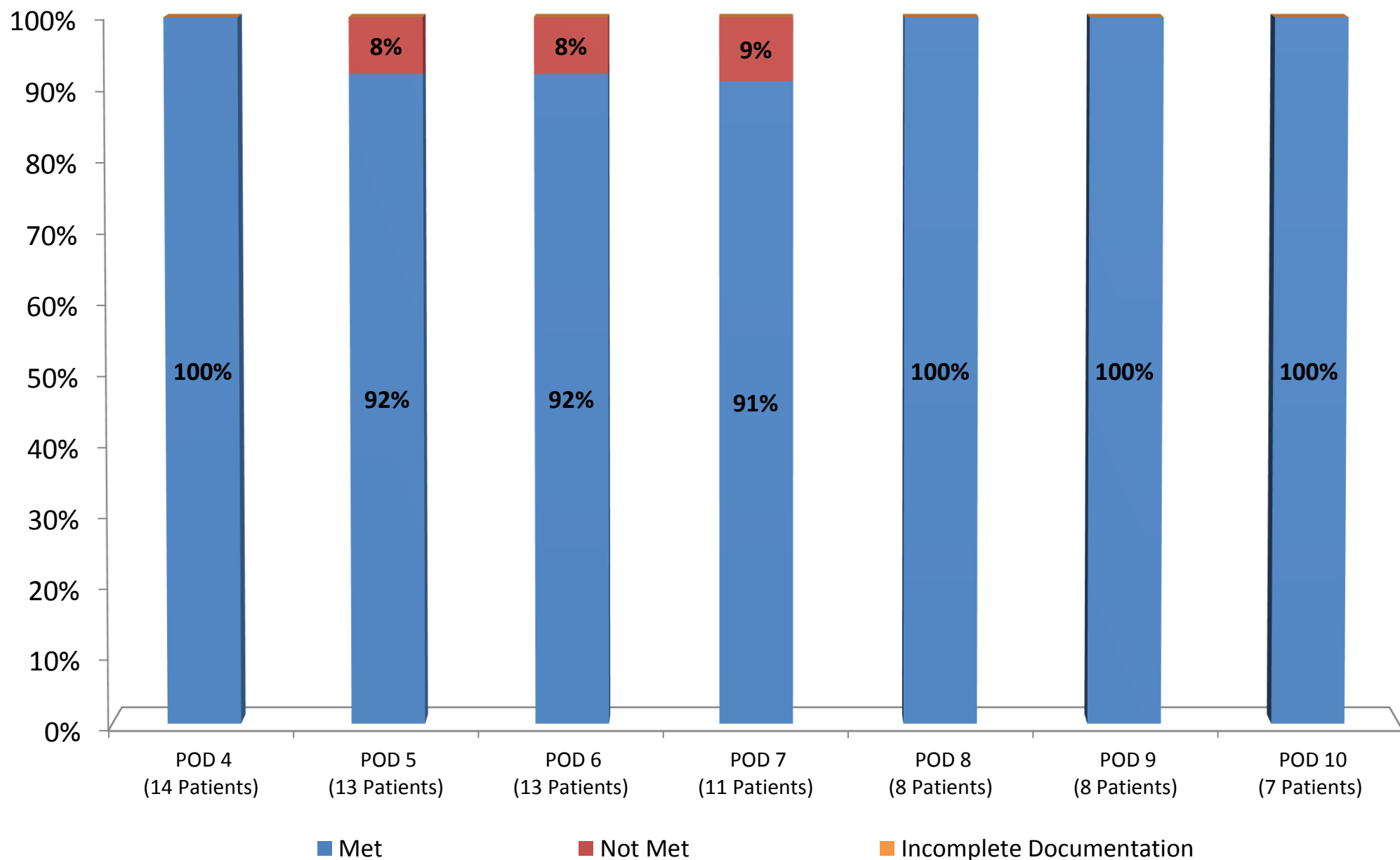
Clinical Pathway Documentation Compliance				
Discipline	No. of Adult Patients	No. of Peds Patients	Complete Documentation	Incomplete Documentation
Medical Doctor	14	8	90%	10%
C1 Nurse	7	2	100%	0%
A2 Nurse	0	6	100%	0%
PICU Nurse	0	1	100%	0%
SSCU-B Nurse	6	0	100%	0%

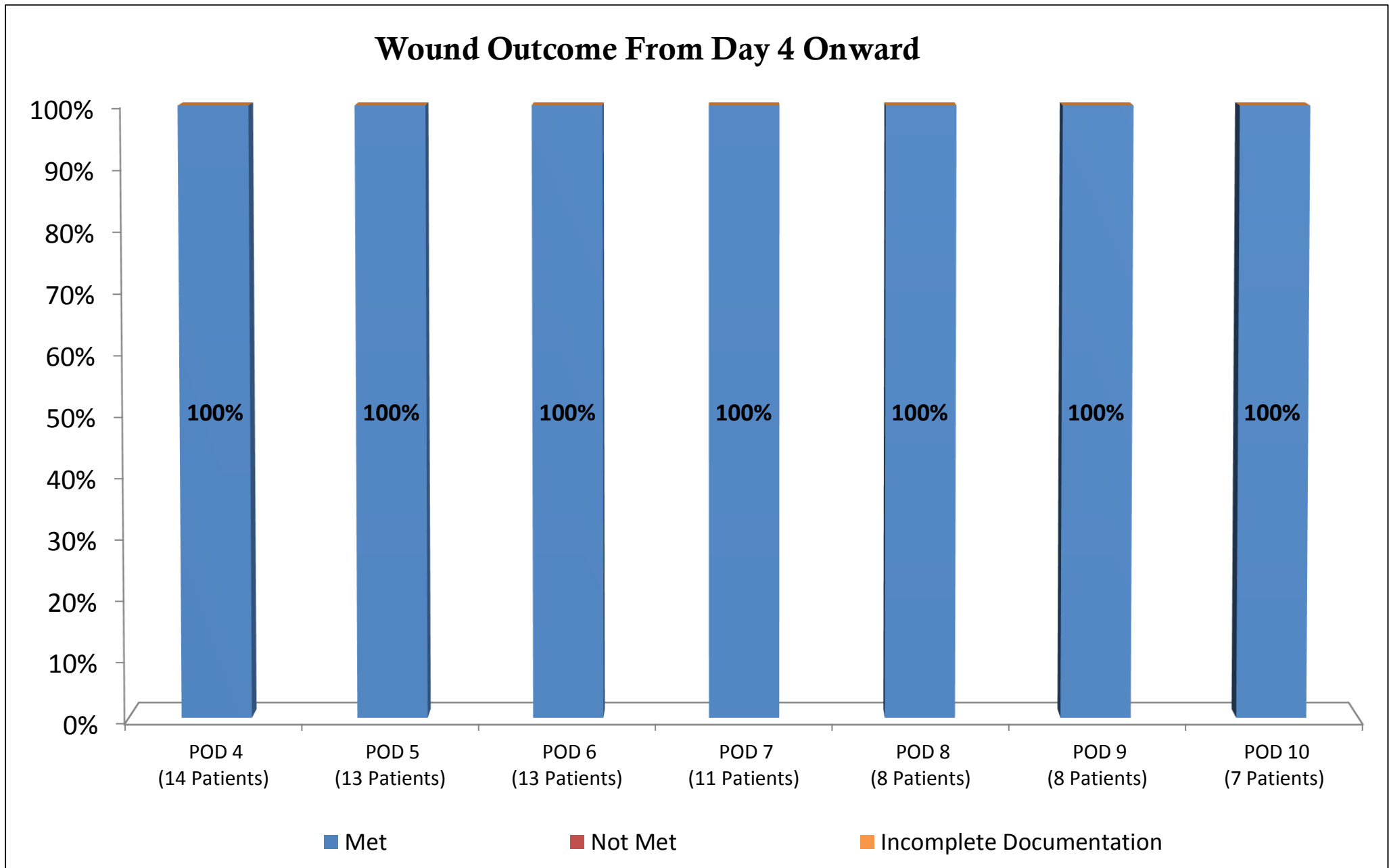


### Fluid Balance Outcome From Day 4 Onward



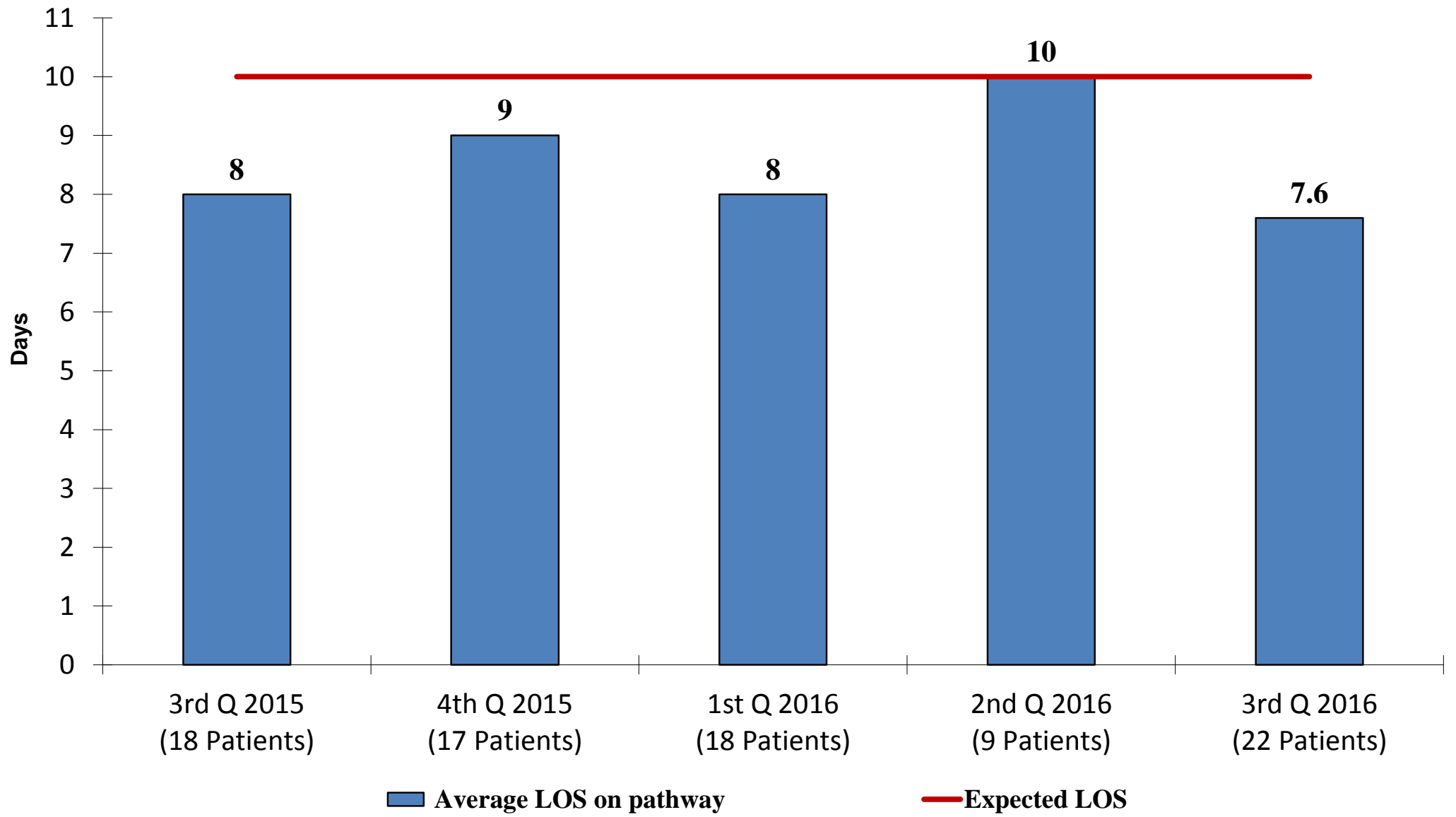
### Normal Electrolyte Outcome From Day 4 Onward



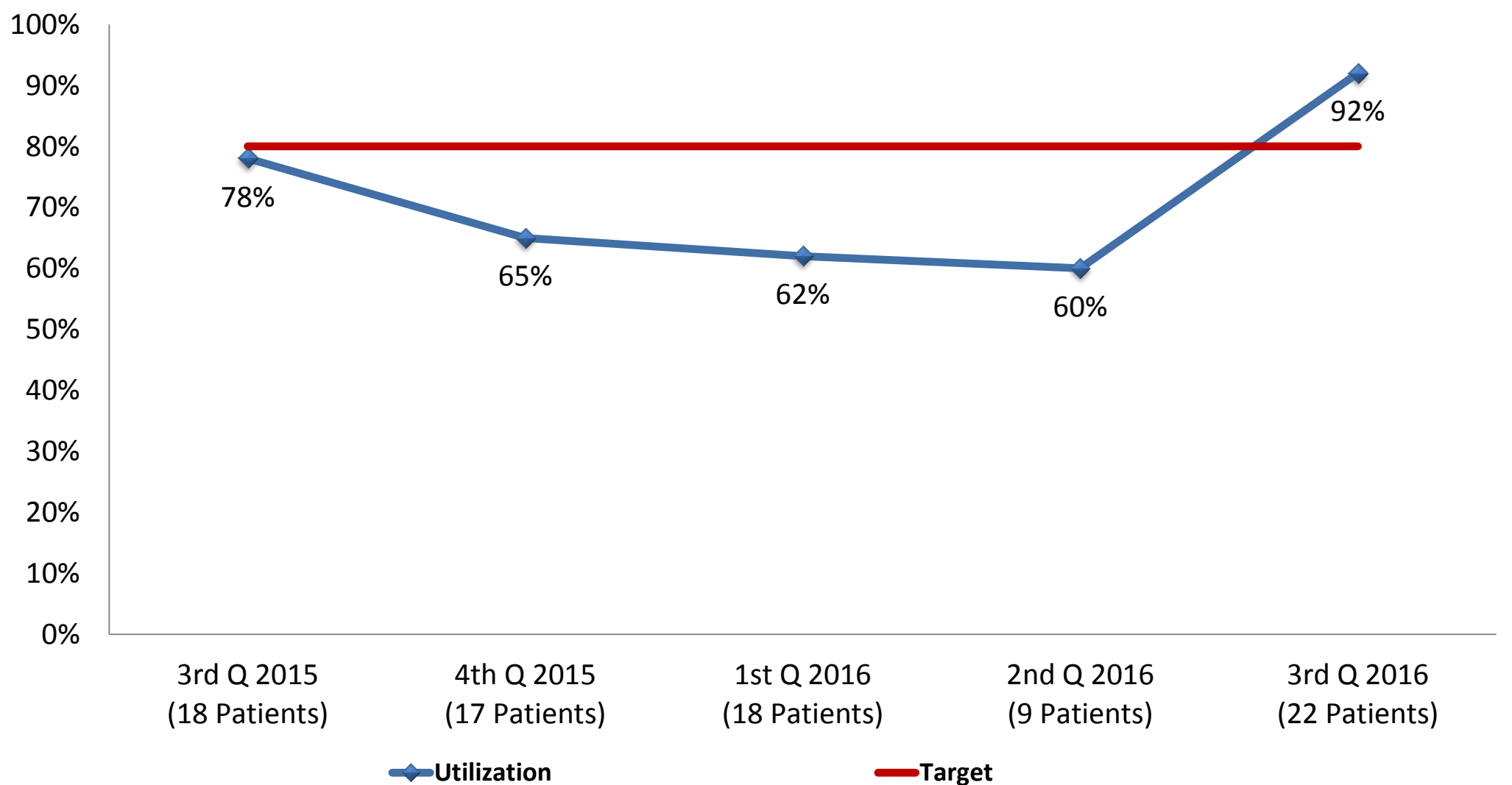


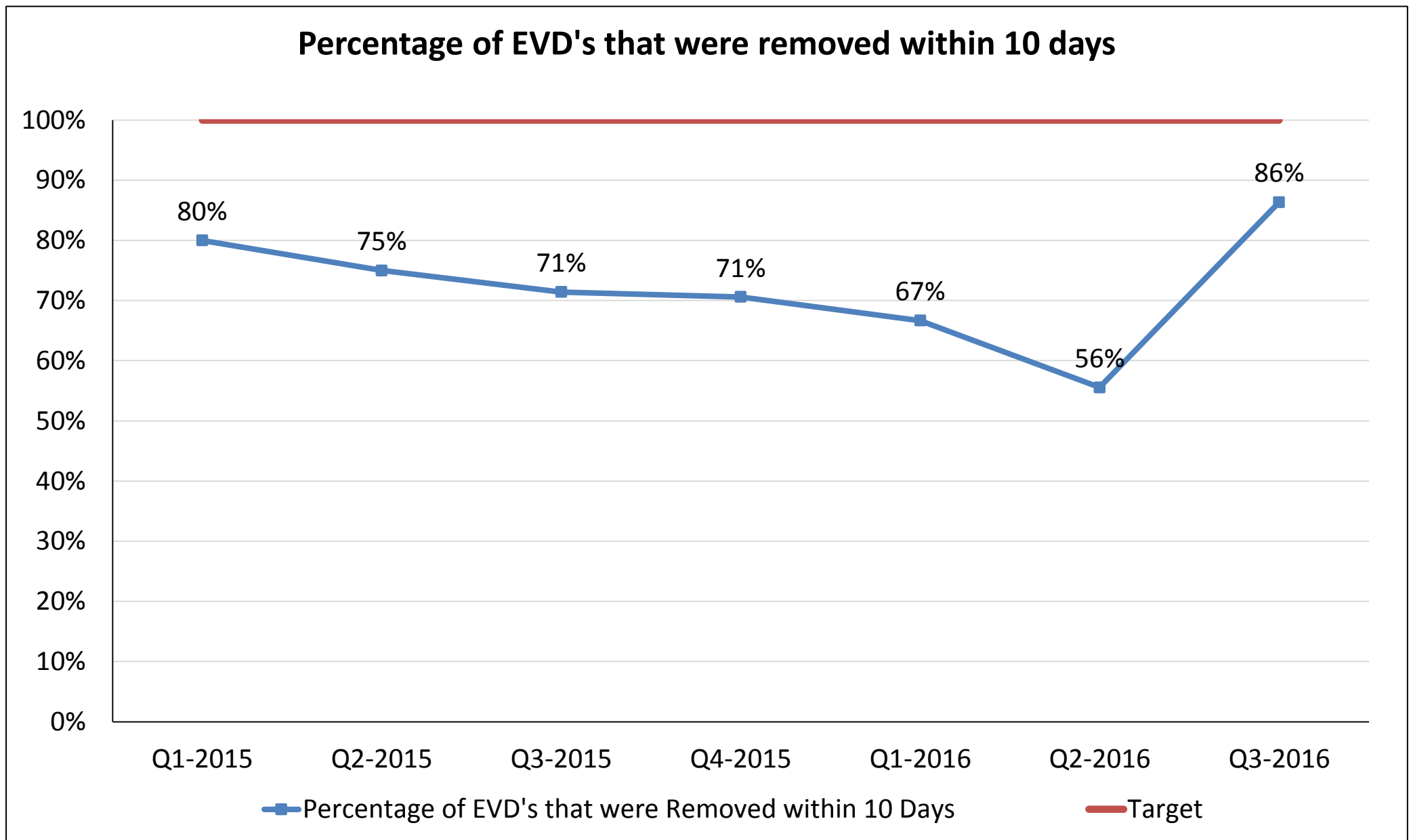
Status of all the Inserted EVD's who were put on the clinical pathway	
Day 2	One (1) EVD removed
Day 3	Two (2) EVD removed
Day 4	Five (5) EVD removed & one clamped
Day 5	One (1) EVD removed
Day 6	Two (2) EVD removed & one converted to VP shunt
Day 7	Three (3) EVD removed
Day 9	One (1) EVD removed & converted to VP shunt
Day 10	Four (4) EVD removed
Day 11	One (1) EVD removed
Day 14	One (1) EVD removed
Day 22	One (1) EVD removed

### Average Length of Stay on the EVD Clinical Pathway



### EVD Clinical Pathway Utilization on Quarter basis





### Findings:

1. This quarter **24 patients** had EVD insertion and **22 patients** were put on the clinical pathway
2. Utilization in this excellent this quarter.
3. The long-term outcome for this clinical pathway is **100%** removal of all EVD's within 10 days; for this quarter outcome it is **86%**

### Action plan:

1. EVD tracking sheet were established by SSICU-B to keep track of the patients with the pathway.

### Recommendations:

1. Medical Quality Director / Clinical Pathway Coordinator to share the report with the respective Health Care Provider.
2. Keep track of the pathways and pull them from the chart to be sent to MBC#19.
3. Utilize the clinical pathway nurse champion as a resource for any clarifications.
4. Physician / Nurse champions to emphasize on the importance of EVD removal within 10 days from insertion, if patient is Neurologically stable.