



INCREASING LOVENOX USE IN BMH TRAUMA PATIENTS: 2018 PI PROJECT FOR MTQIP

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Loretta Farrell, BSN, RN
Oreste Romeo, MD, FACS
Ruth Johnson MSN, RN



- We have no disclosures



Reason For This Project

Lovenox Administration Rates in Trauma Patients for (Target $\geq 50\%$)

Cohort 2 (Admit to Trauma Service), Exclude DOAs, Exclude Transfers Out, 01/01/2017 - 12/31/2018
Blue = BMH Green = All MTQIP Centers





Gathered Support (11/2017)

- ❑ Met with TPM and TMD to review MTQIP data and targets
- ❑ Research Nurse performed literature search & sent information to providers
- ❑ Discussed with Trauma Team (Attending's, APP's, and Pharmacist's)
- ❑ Presented monthly at multi-disciplinary PI meetings





Data Collection

Real Time Data Collection:

- January 2018
- Daily spreadsheets
 - Included all patients admitted to trauma surgeons ≥ 16 yrs. and with a LOS ≥ 48 hours
 - Demographics
 - Was Lovenox given in 48 hrs?
 - Was there a major bleed?
 - Was Anti XA drawn?
 - If yes, was it therapeutic (0.2-0.4)?
 - If no, was it adjusted?



**Data Collection
and Analysis**




Kept The Ball Rolling

- ❑ Noted small improvement first 2 months
- ❑ Issue addressed on every patient in daily multidisciplinary rounds
- ❑ Initiated white board in trauma department with current compliance rates– updated monthly by MCR
- ❑ Provided updates monthly at PI Meeting





Ouch-There is a problem!

- ❑ April: Compliance week period for a two 
- ❑ **Why?**
 - ❑ Noted increase in locums, increase in fallouts over weekend
- ❑ Re-education done
- ❑ White board revised to include *weekly* compliance rate, with colors and comments, triggered conversations

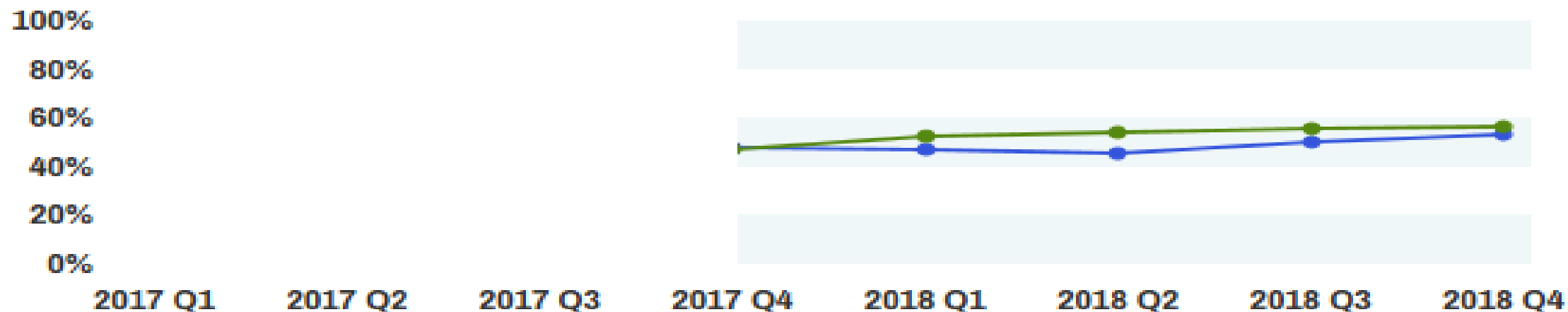


Don't Give Up!!!

- ❑ Brought drilldown of patients with complications of VTE to PI group
- ❑ Anti XA Assay added to trauma order set (6/18)
- ❑ TMD met with IMHS and Ortho to discuss VTE prophylaxis in their patients
- ❑ Six month recap- only one month at <50%. Drilldown showed high number of ambulatory patients not given Lovenox
- ❑ New residents in July – focused education



Results – Lovenox given



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Summary

Year	Compliance	VTE	PE incidence
2017			
2018			
2019 Q1	57.5%	0.78%	0

VTE includes DVT and PE





2019 Continued Efforts

Registry#	Name	CSN	Date/time of admit	Date/time of proph	Type	Lovenox 48 hrs?	Other proph 48 hrs?	Diagnosis	# of Patients	Received any proph	Comments
XXXXX	Doe, John	xxxx1	1/1/19 0200	1/2/19 0900	Lovenox	1	0	Rib fractures	1	1	
OOOOO	Doe, Jane	xxxx2	1/1/19 0230	1/2/19 0900	Heparin	0	1	Skull fracture	1	1	
AAAAA	Doe, Junior	xxxx3	1/1/19 0215	1/4/19 0900	Lovenox	0	0	SDH	1	0	Active bleeding
						1	1		3	2	



2019 Continued Efforts



Thank you!

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