

Clinical Safety & Effectiveness Cohort 16 | Team 4

DECREASE PATIENT LENGTH OF STAY (LOS) THROUGH USE OF "ANTICIPATE DISCHARGE" ORDERS ON 5ACU



The Team

CS&E Participant

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Ad Hoc Team Members

- Sebastian Padron
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- Medical and Nursing team

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• Sponsor

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Aim Statement

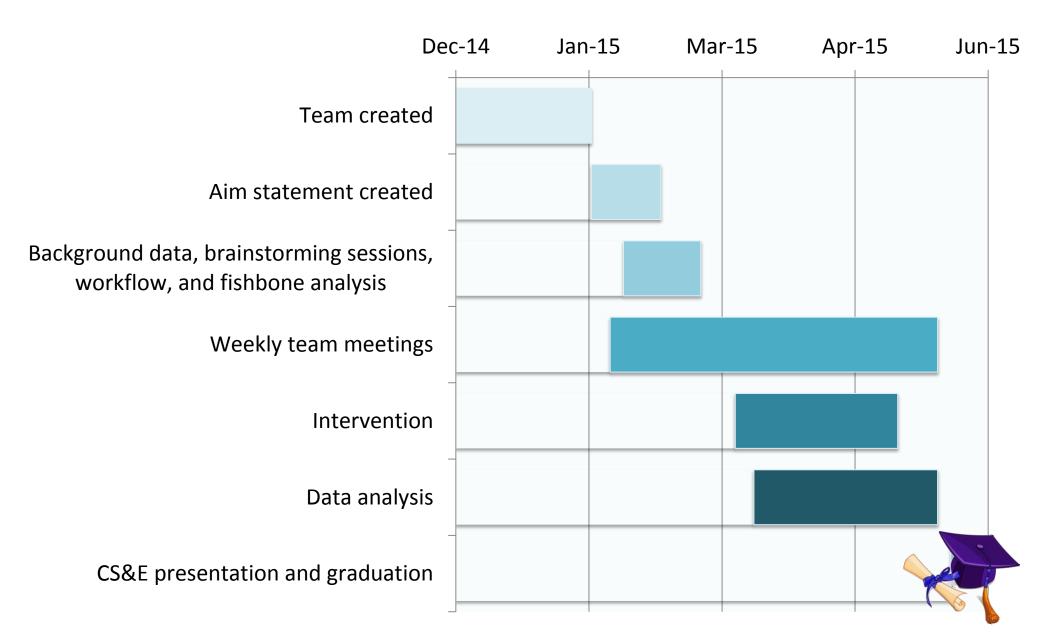
The aim of this project is to **decrease patient length of stay** (LOS) through use of "anticipate discharge" orders on **5ACU** from **6.9 days** to **6.4 days** by May 17th.

The process begins with admission to UH and ends when patient is discharge home or to a facility.



It is important to reduce patient length of stay to increase capacity for the Health System, resulting in bed availability, reduction in wait times, and improved patient experience.

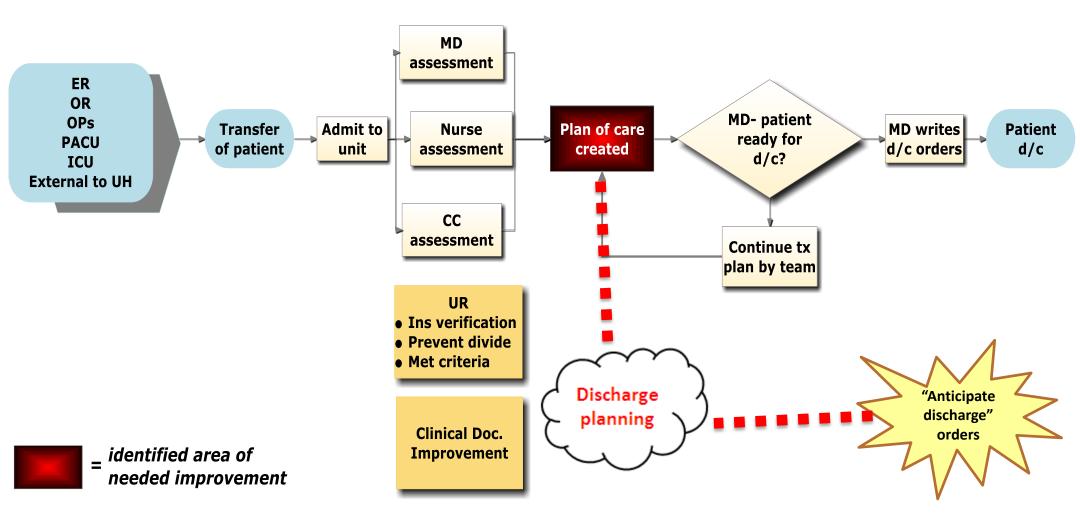
Project Milestones



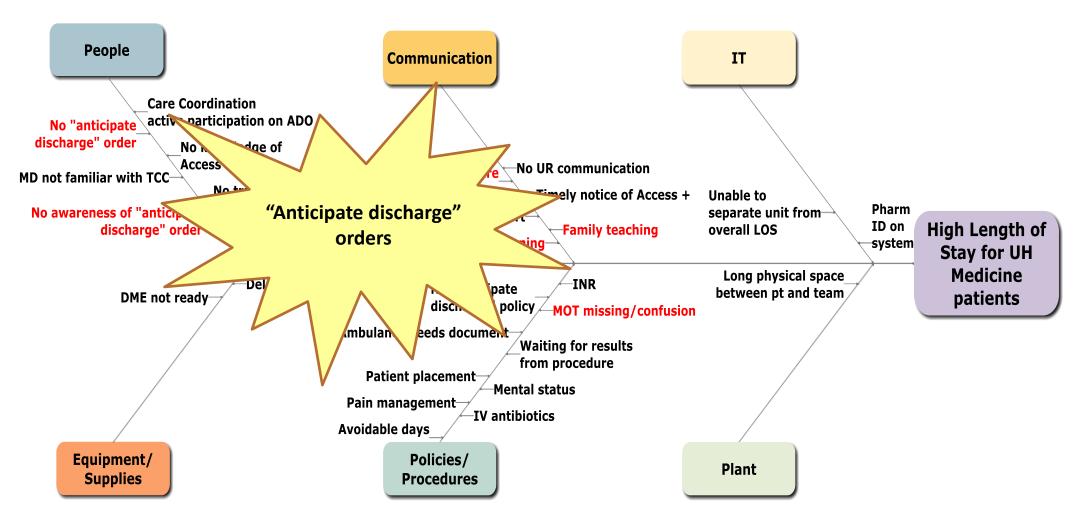
Background

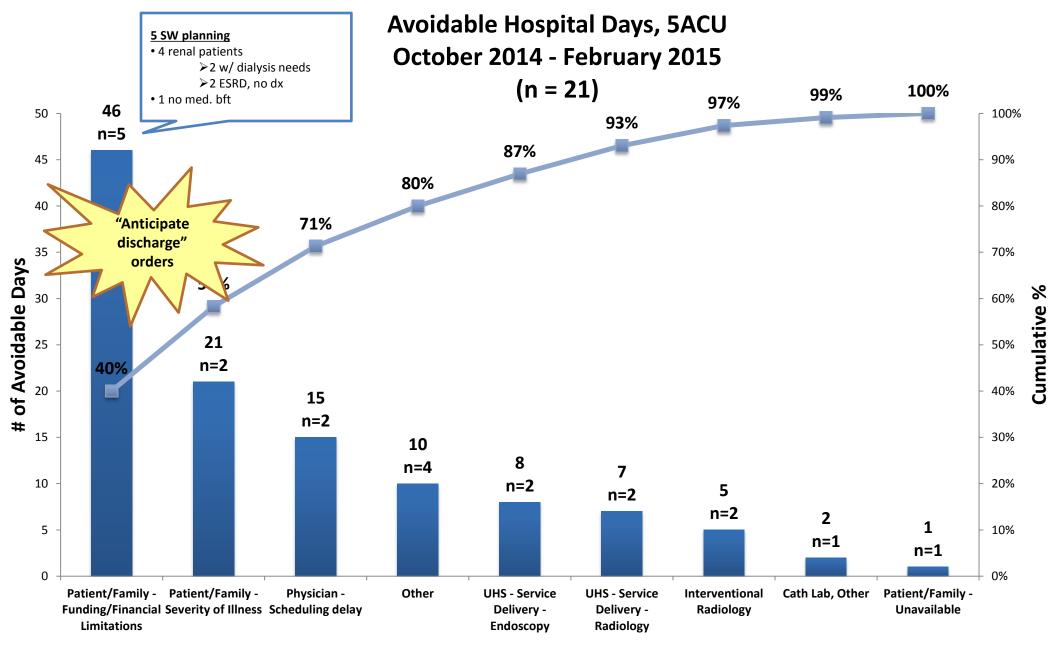
- **<u>Problem</u>** Patients, nurses, physicians and care coordinators do not communicate effectively about discharge dates, times, and needs resulting in delays in the discharge process
 - Issues with midday discharge bottleneck and geographic localization
 - Discharge planning begins upon admission; much of work waits until patient is nearly ready to leave. National Benchmark for Medical Surgical Unit Length of Stay (LOS) is 5.2 days
 - Recommendations: revisit morning rounds; use of <u>anticipate discharge orders</u>
- <u>Literature</u> Anticipated discharge orders written 1 2 days prior to actual discharge date allow care teams to support scheduled times for discharges and reduce length of stay*
 - Emergency Department LOS independently predicts excess inpatient LOS.
 - Payors (e.g., CMS) look at LOS as a measure of cost control
 - Hospital standpoint is shorter LOS allows for greater capacity and more efficient use of resources
 - Patient/provider standpoint is short LOS demonstrates a streamline process
- <u>Rationale</u> Use of anticipated discharge orders provide for effective communication among care givers. Patients and staff expectations for the time and date of the discharge are met. This allows for effective planning which promotes patient safety and improves the finances of the facility.

5ACU Patient Flow Process: Current State



5ACU Cause and Effect Analysis



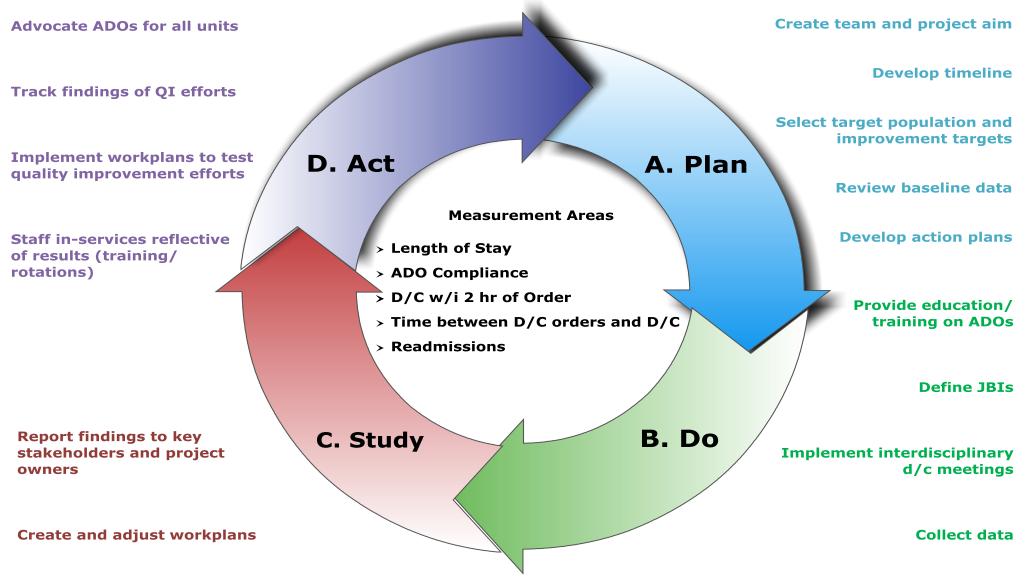


Types of Reason for Avoidable Day

Action Plan

Action Strength	Action	Who	When	Status
Weak – additional study	Pre-survey	Kana/Mario	3/6	Complete
Weak → Strong –	Education and Training			Complete
standardization of process	House staff	Kana	3/2-3/15	
through training	Nurses	Mario	5/2-5/15	
	CC/SW	Jerry		
Intermediate – software	Concurrent coding/UR	Mario	3/2-3/15	Complete
enhancement			5/2-5/15	
Strong – standardization	Anticipate Discharge orders-	5ACU Charge	3/16	In progress
	daily list	Nurses	5/10	
Strong – standardization	JBI			Complete
	MD	Kana	3/6-3/15	
	RN	Mario		
	CC/SW	Jerry		
Strong – tangible involvement	Discharge planning mtg- 2pm	5ACU Charge		In progress
and actions	daily for pts for d/c in AM	Nurses	3/16	
		MD Team s		
		CC/SW		

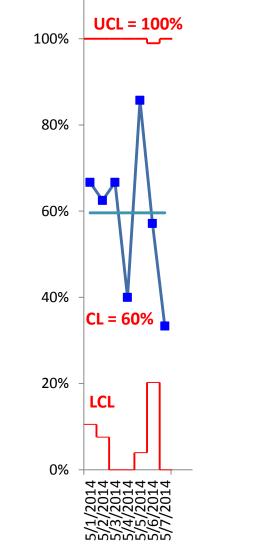
CONTINUOUS QUALITY IMPROVEMENT



Review results; consider areas of quality improvement

Data review and analysis

5ACU Anticipate Discharge Order Compliance (Intervention: 3/16/15 - 5/17/15)



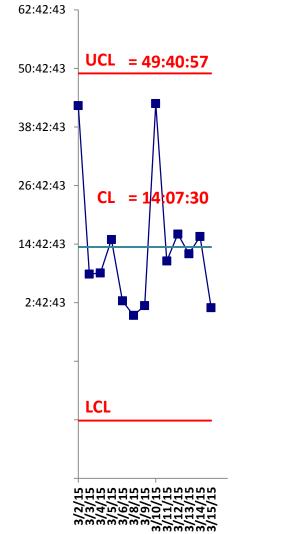
Pre - intervention

% Completion of Anticipate Discharge Orders

Statistical Process Control Chart – p chart - Process

5ACU Anticipate Discharge Order to Discharge

(Intervention: 3/16/15 - 5/17/15)



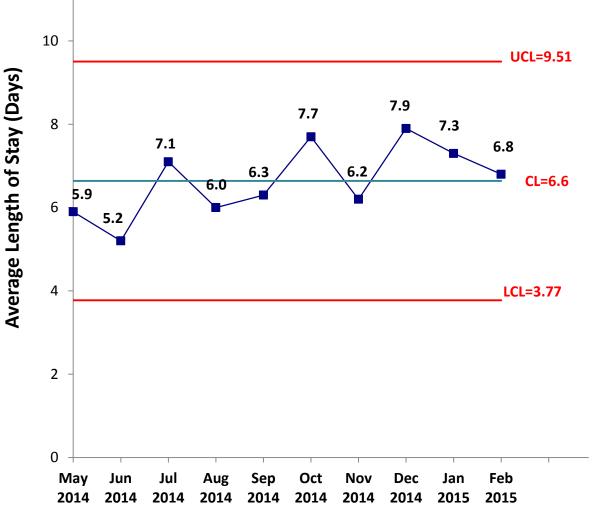
Average ADO to DC Cycle Time (hh:mm:ss)

Pre - intervention

Discharge Date

5ACU Average Length of Stay:

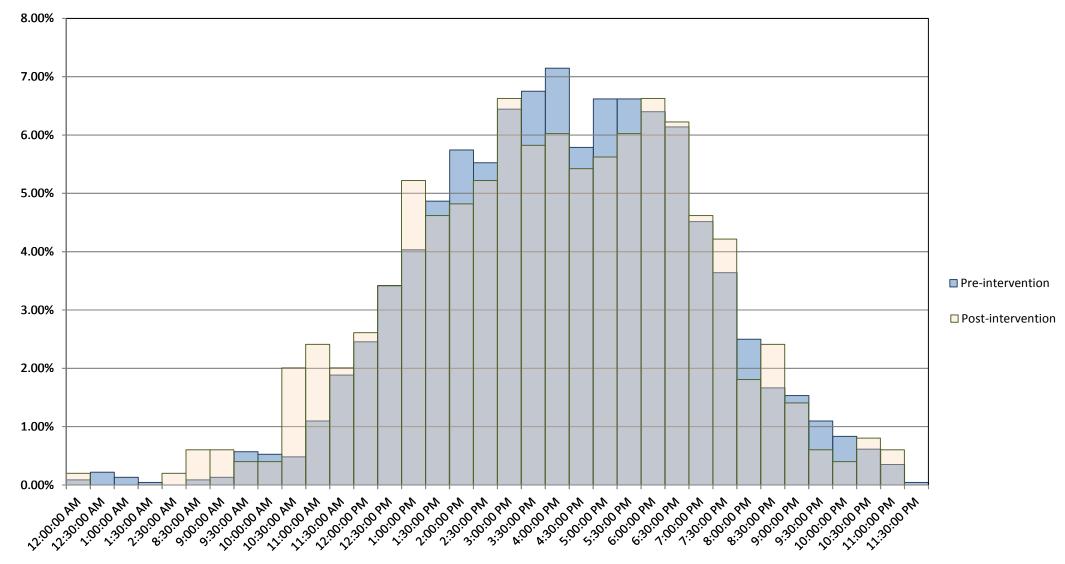
(Intervention: 3/16/15 - 5/17/15)



Pre - intervention

5ACU Total Discharges Histogram, 1/2 hr intervals

(Intervention: 3/16/15 - 5/17/15)



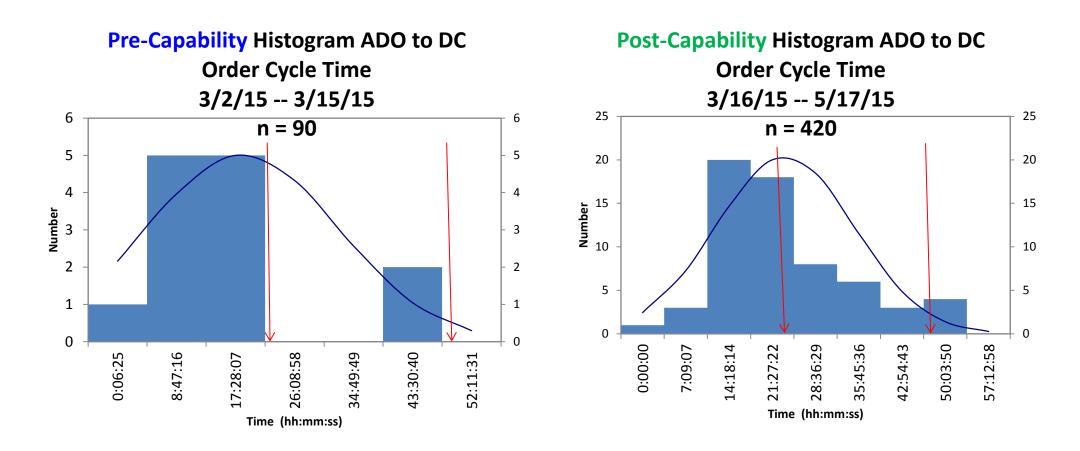
Sustaining the Results

- Continued data analysis for periodic presentation to leadership and staff
- Staff training integrating results into continued rotations and training

Advocate for all units to use ADOs

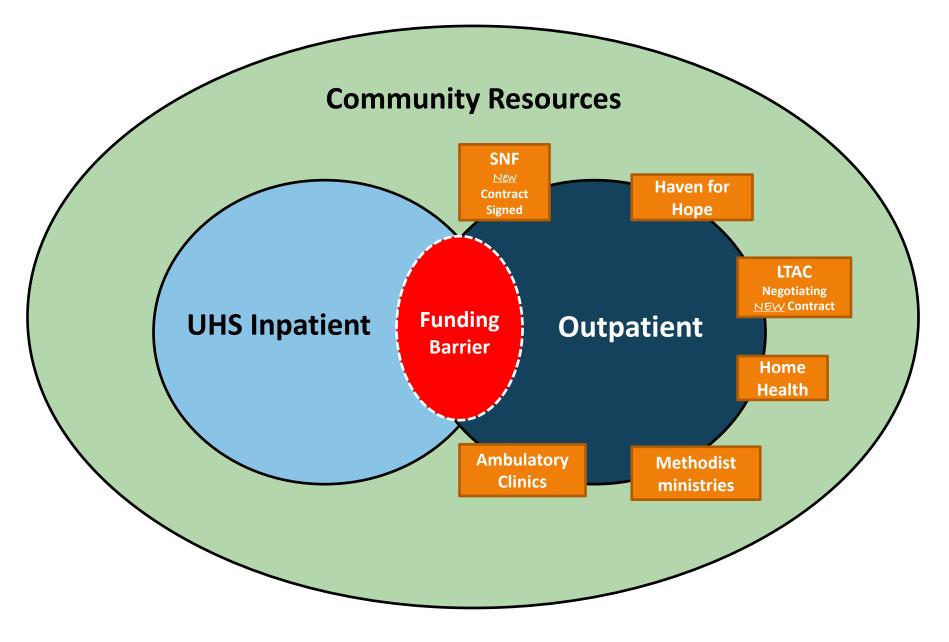


Soft Return on Investment



Hard Return on Investment: net return through revenue enhancement via increased number of cases & payment per insurers and increased revenue from additional payer sources, & net return through cost savings via decrease LOS.

Conclusion: A Systems Approach to LOS





Team Pictures









References

•http://www.ncbi.nlm.nih.gov/pubmed/14609414

- •http://ajcc.aacnjournals.org/content/15/5/502.short
- •http://www.mc.vanderbilt.edu:8080/reporter/index.html?ID=3030

•http://dx.doi.org/10.7182/pit2013226

•The effects of anticipatory discharge orders on length of hospital stay in staff pediatric patients <u>Sumer T, Taylor DK, Mcdonald M; Mckinney</u>

V.,GillardM,.Grassel K.,KpalnW.,KherehllahN. AJM QUAL 1997 Spring:121 (1) 48-50

•2015 Vanderbilt University Medical Center, VUH to Improve patient discharge; Paul McGovern 2015