Trauma Room Restock

QI project UHD

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Background

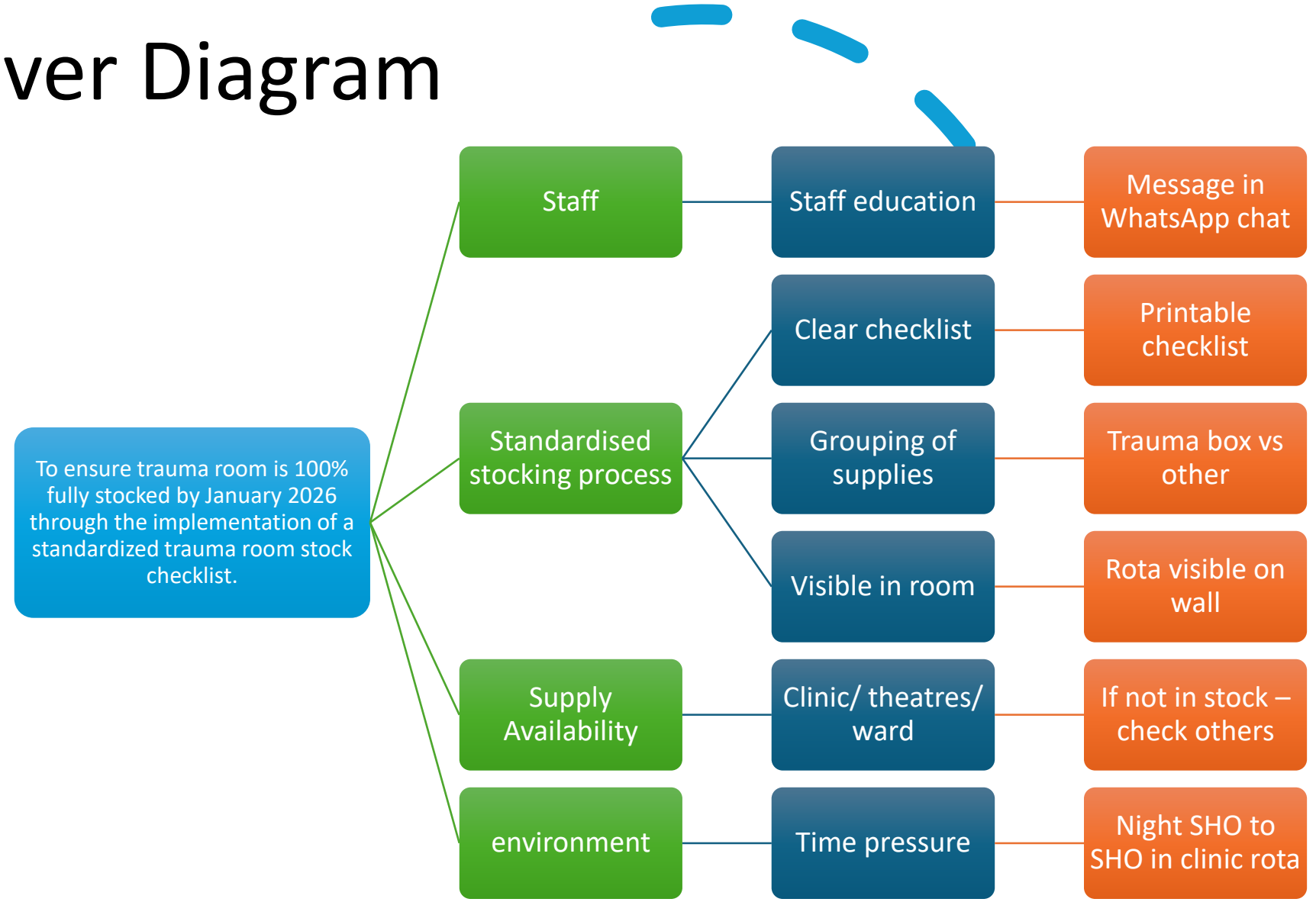
Importance:

- Quick and easy access to equipment and materials
- Lack of equipment and materials causes delays in delivering treatment
- Convivence and reliability when working weekend and nights
- Improved patient care

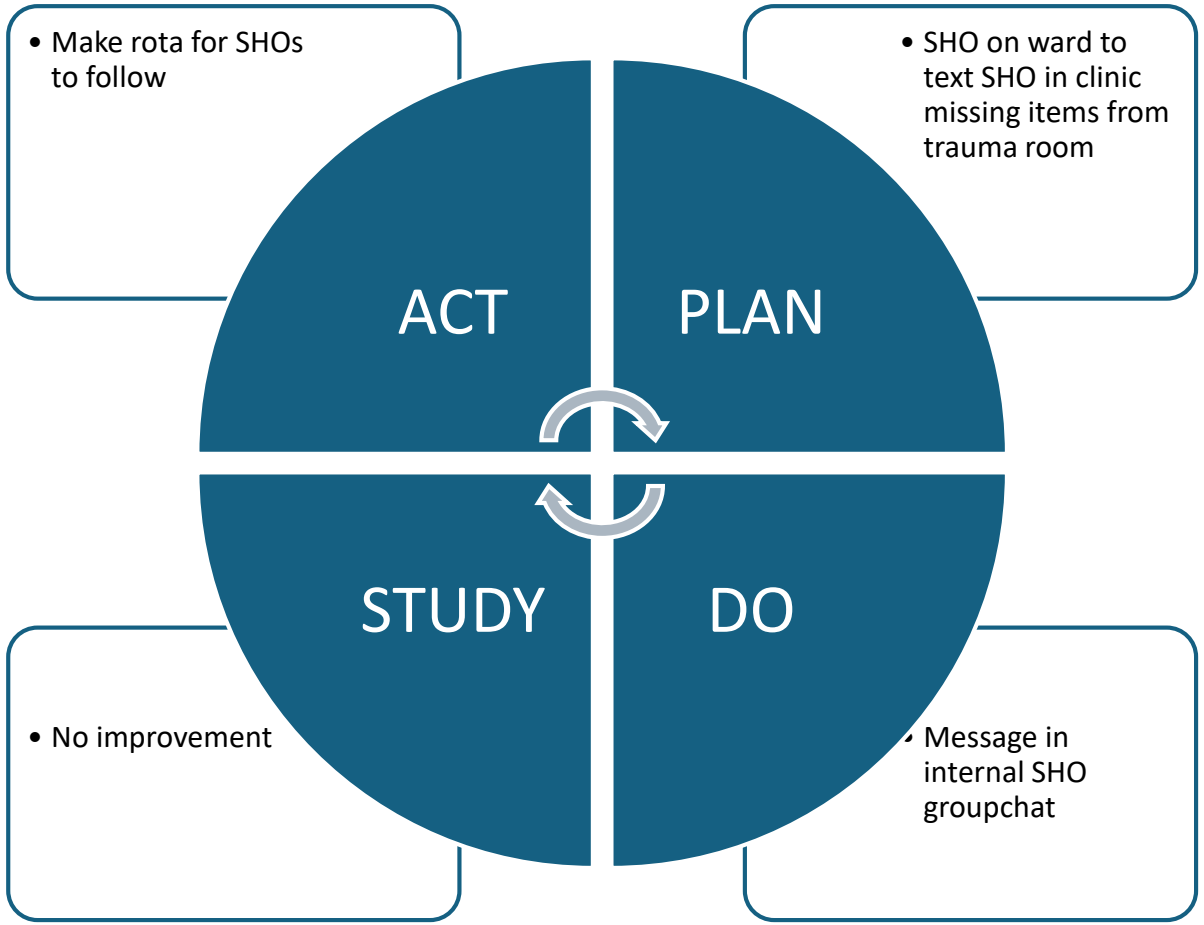
Aim Statement

- To ensure trauma room is 100% fully stocked by January 2026 through the implementation of a standardized trauma room stock checklist.

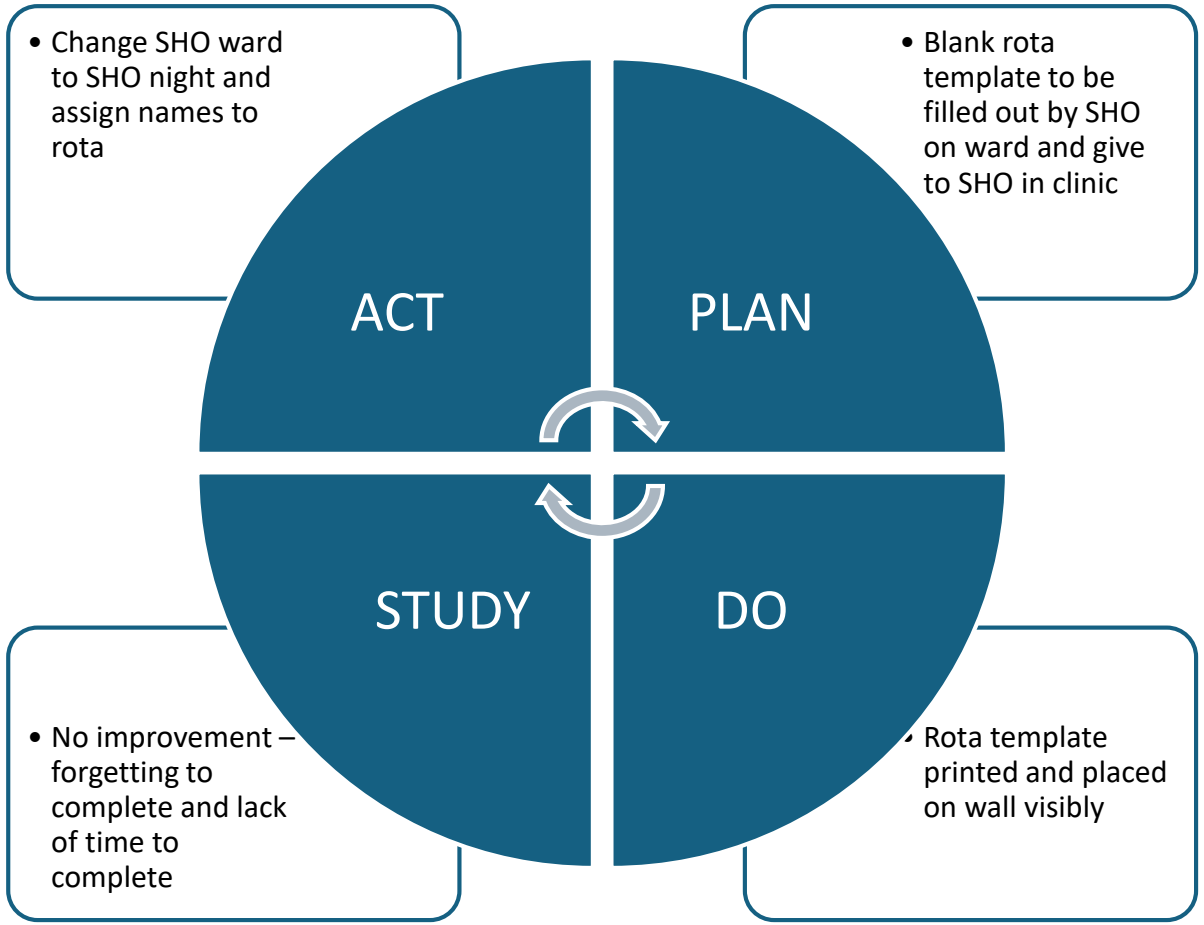
Driver Diagram



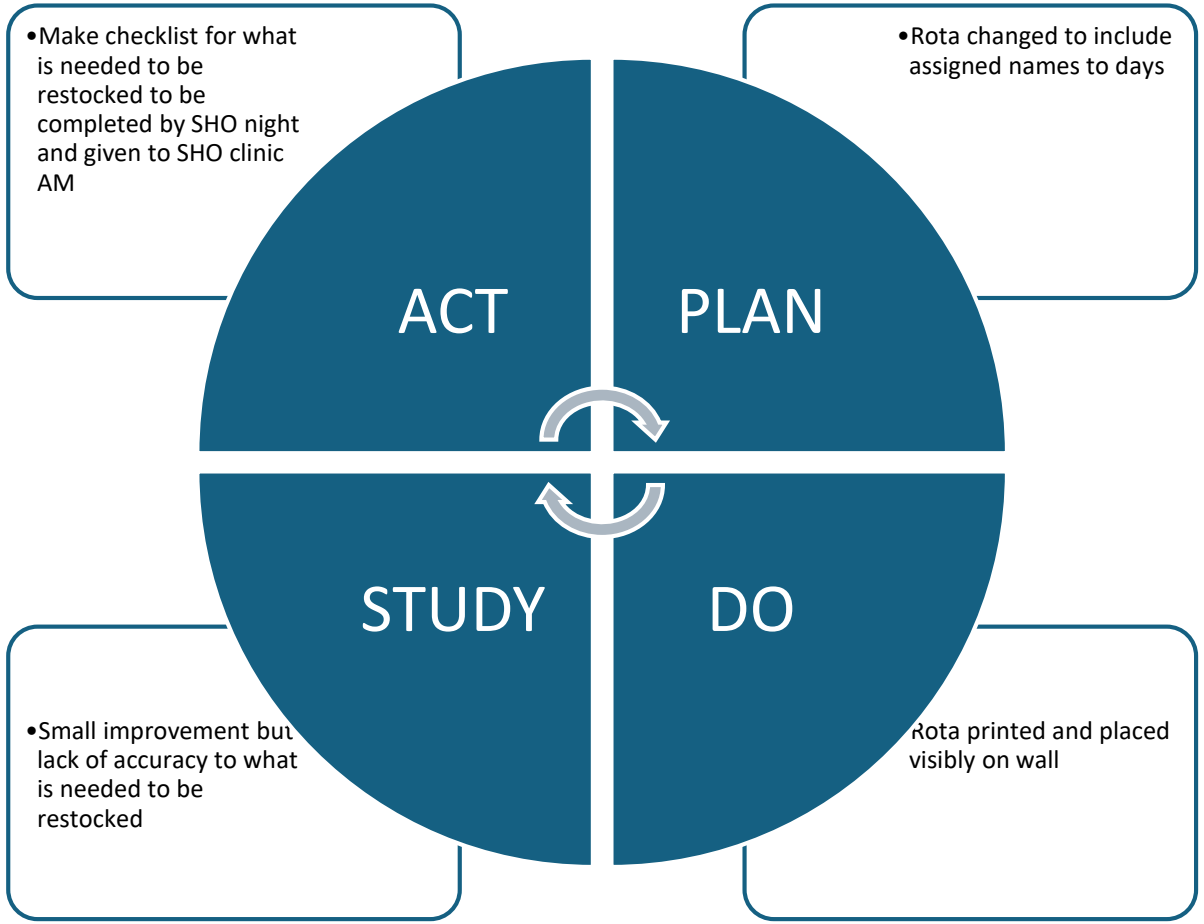
Cycle 1


• Make rota for SHOs to follow
• SHO on ward to text SHO in clinic missing items from trauma room
ACT
PLAN
STUDY
DO
• No improvement
• Message in internal SHO groupchat

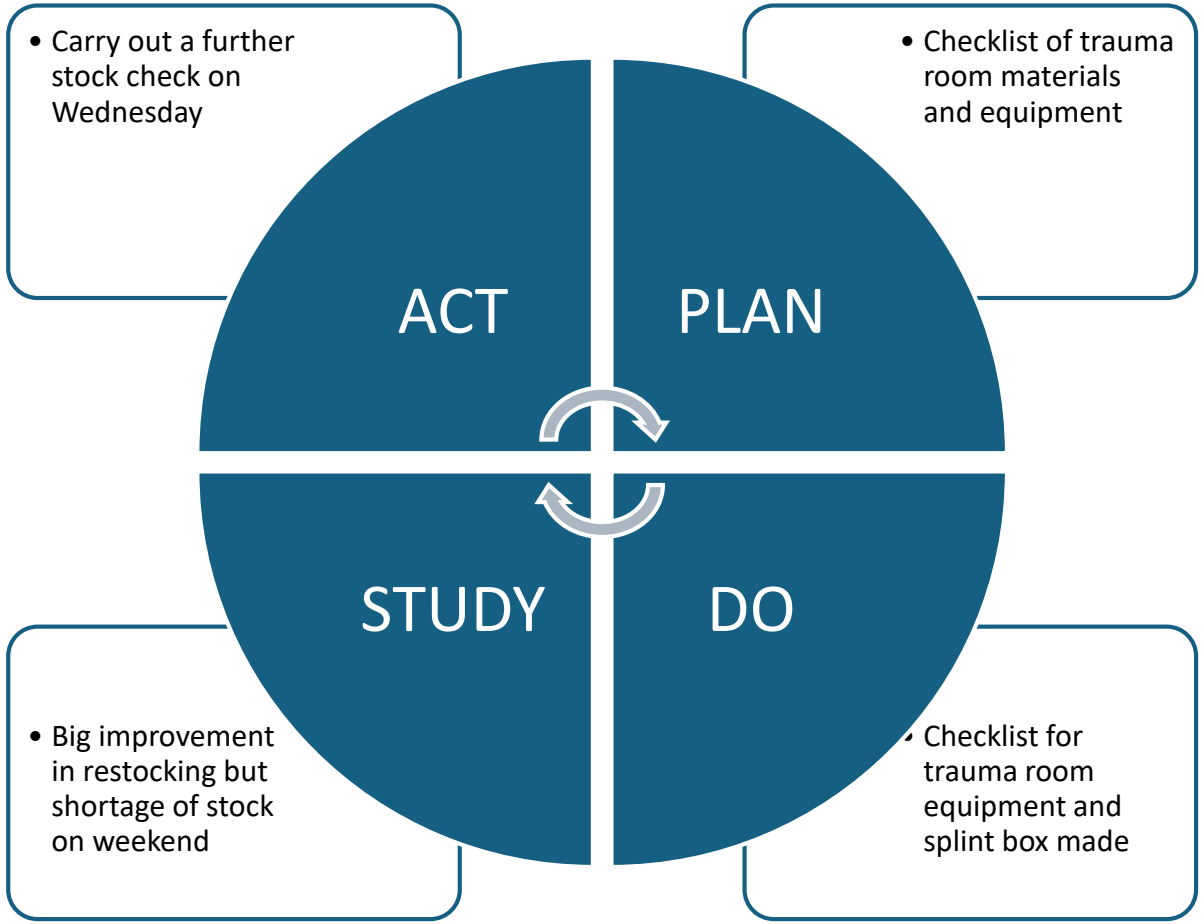
Cycle 2


• Change SHO ward to SHO night and assign names to rota
• Blank rota template to be filled out by SHO on ward and give to SHO in clinic
ACT
PLAN
STUDY
DO
• No improvement – forgetting to complete and lack of time to complete
• Rota template printed and placed on wall visibly

Cycle 3


•Make checklist for what is needed to be restocked to be completed by SHO night and given to SHO clinic AM
•Rota changed to include assigned names to days
ACT
PLAN
STUDY
DO
•Small improvement but lack of accuracy to what is needed to be restocked
Rota printed and placed visibly on wall

Cycle 4


• Carry out a further stock check on Wednesday
• Checklist of trauma room materials and equipment
ACT
PLAN
STUDY
DO
• Big improvement in restocking but shortage of stock on weekend
• Checklist for trauma room equipment and splint box made

Item	Checked ✓	Needs restocked	Notes (How many is needed)
3/0 VR		YES / NO	
4/0 VR		YES / NO	
5/0 Ethilon		YES / NO	
6/0 Ethilon		YES / NO	
5/0 Prolene		YES / NO	
6/0 Prolene		YES / NO	
Disposable 15 blade scalpels		YES / NO	
Lignocaine		YES / NO	
Mepivacaine		YES / NO	
LA handles		YES / NO	
Short Needles (Blue)		YES / NO	
Long Needles (Yellow)		YES / NO	
Alvogyl		YES / NO	
Tranexamic Acid		YES / NO	
Suture Packs		YES / NO	

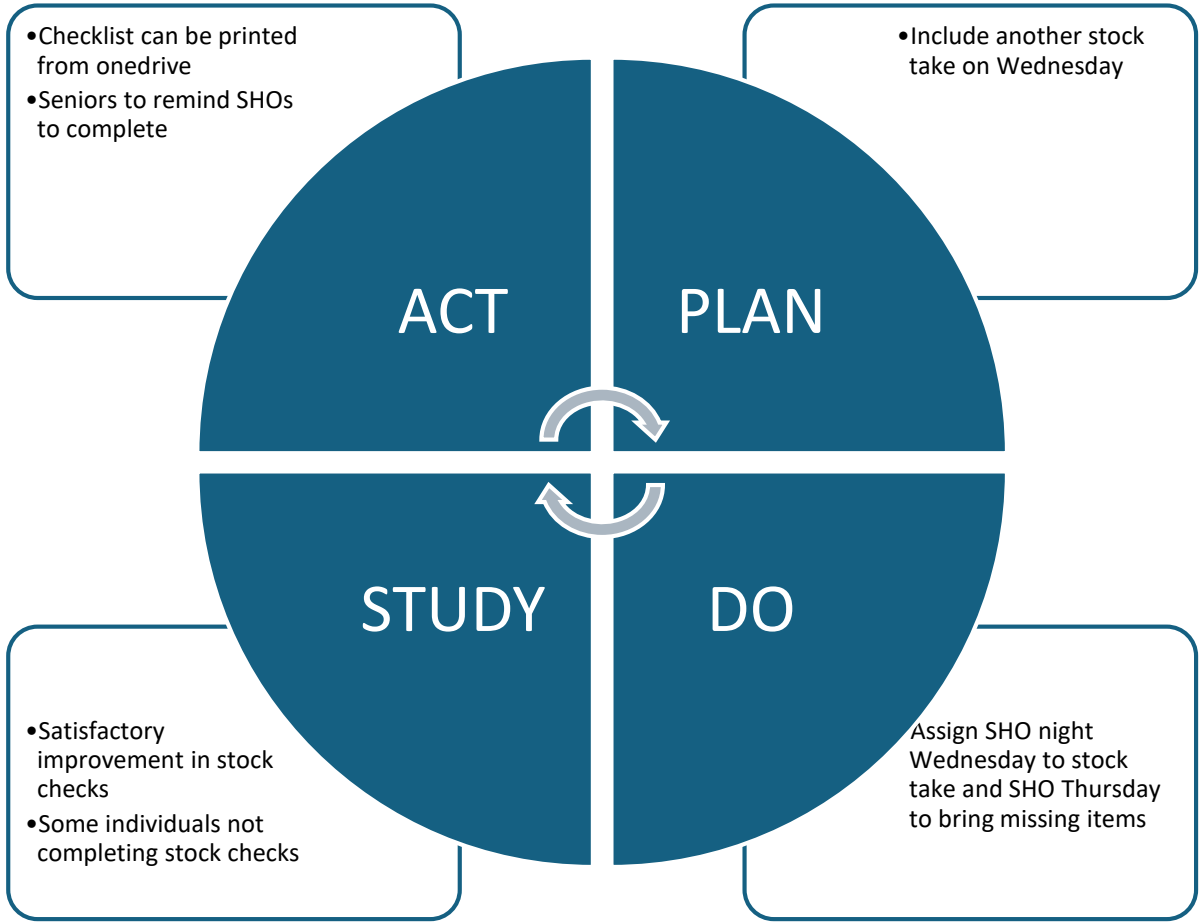
Splinting Box

Item	Checked ✓	Needs restocked	Notes (How many is needed)
Composite capsules		YES / NO	
Composite gun x3		YES / NO	
Futurabond		YES / NO	
Micro brushes		YES / NO	
Cotton wool balls and pellets		YES / NO	
Bridle wire		YES / NO	
NiTi splinting wire x4		YES / NO	
Wire cutters		YES / NO	

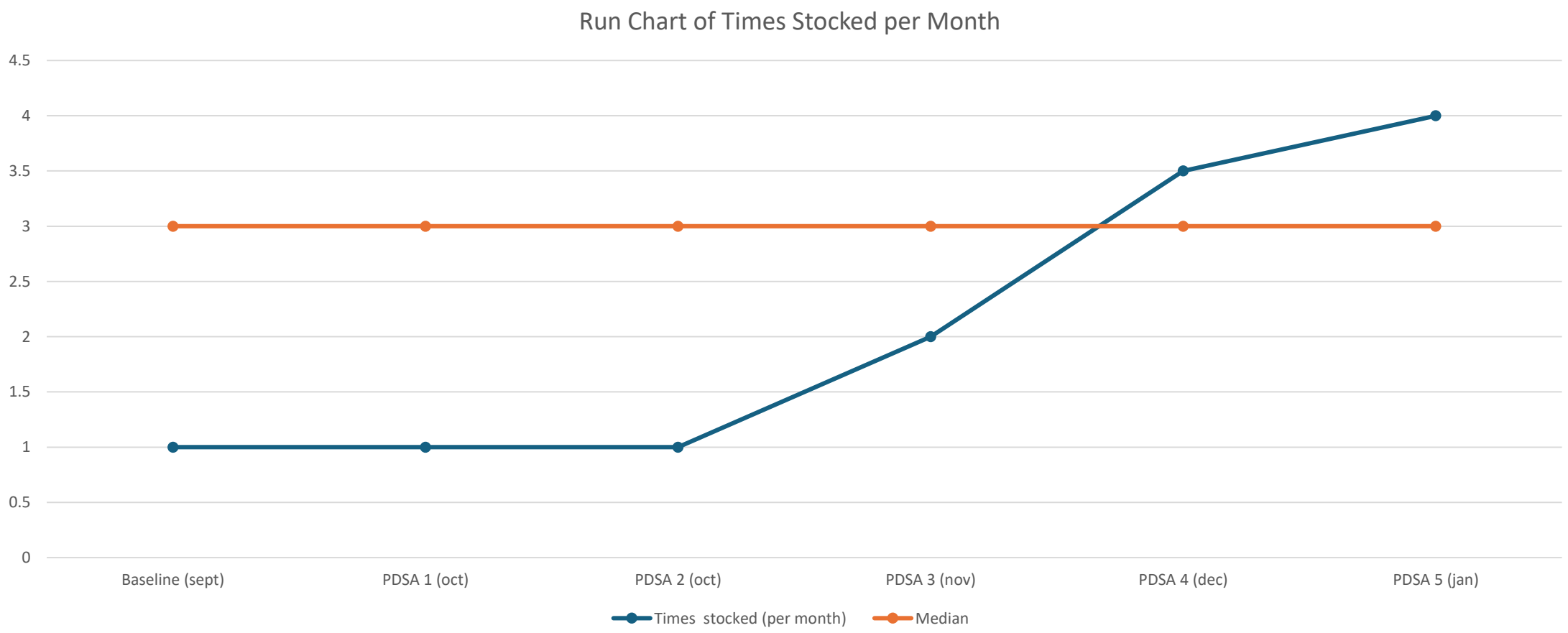
Rota for trauma room restock

Week beginning –	SHO night	SHO clinic
Sunday Monday		
Wednesday Thursday		

Cycle 5


•Checklist can be printed from onedrive
•Seniors to remind SHOs to complete
•Include another stock take on Wednesday
ACT
PLAN
STUDY
DO
•Satisfactory improvement in stock checks
•Some individuals not completing stock checks
Assign SHO night Wednesday to stock take and SHO Thursday to bring missing items

Data


Run Chart of Times Stocked per Month
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Baseline (sept)
PDSA 1 (oct)
PDSA 2 (oct)
PDSA 3 (nov)
PDSA 4 (dec)
PDSA 5 (jan)
Times stocked (per month)
Median

Results

Improved reliability for night/ weekend on call.

Efficient work

Improved patient care

Challenges

- Forgetting to complete checklist if busy
- Will need someone to make Rota
- SHOs forgetting to sign off Rota