

Giffard Memorial Hospital, Nuzvid, Andhra Pradesh

Dr. Edwinraj , Chief Medical Officer

Quality Improvement Project - Vascular Access Management (VAM)

PROBLEM STATEMENT

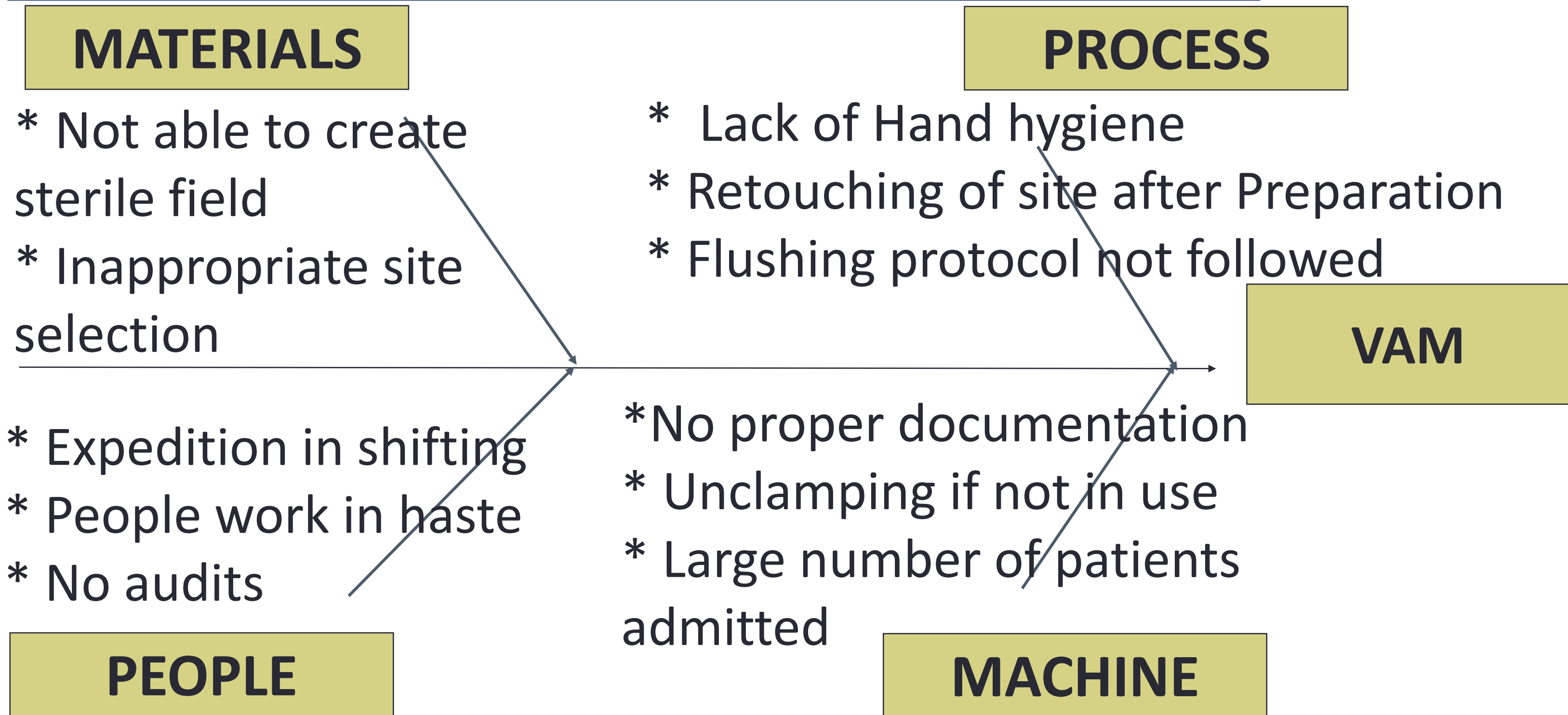
Giffard Memorial Hospital is a 250 bedded tertiary hospital .Vascular access management is comprehensive category of products, service & solutions . The challenges of Vascular access care in our hospital are :



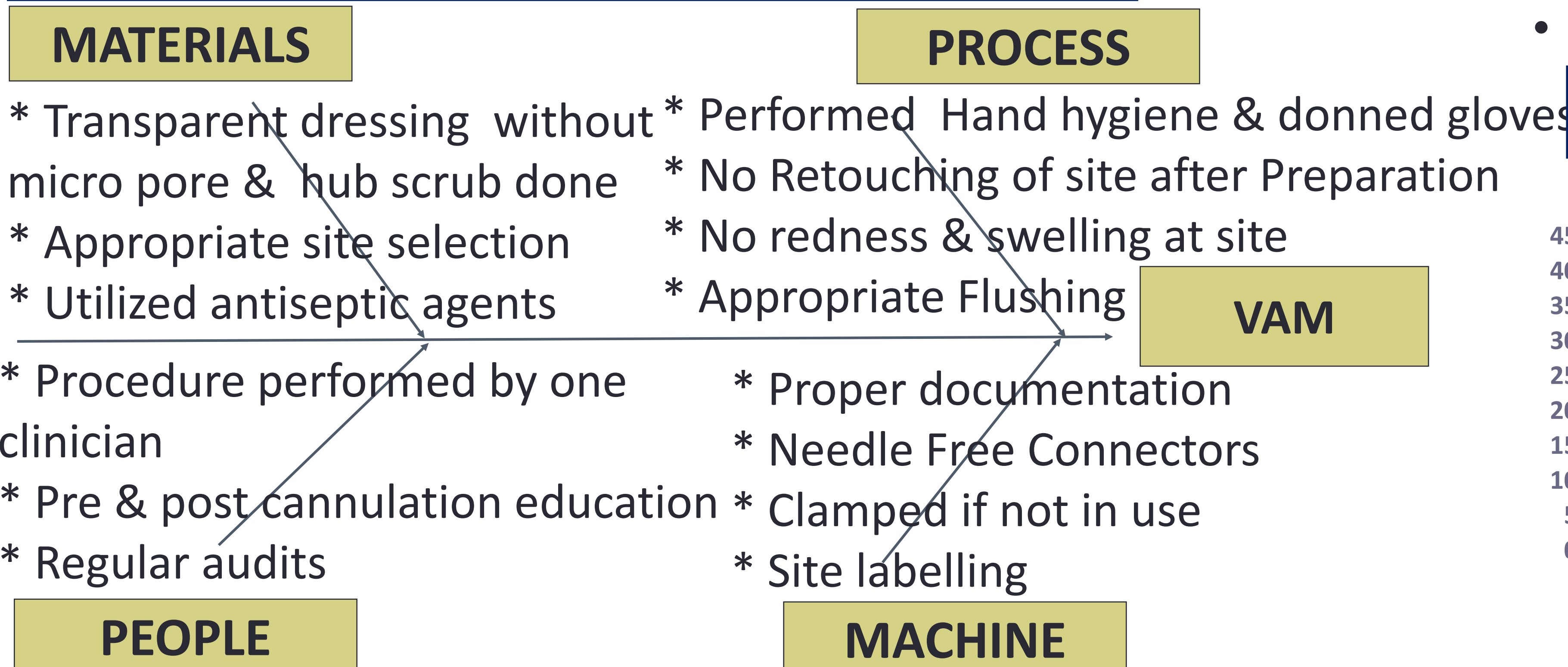
AIM

- To improve Peripheral Intra Venous dwell time & decrease risk for catheter related complications
- To reduce avoidable extra cost
- To improve clinical competency, increasing clinician & patient safety

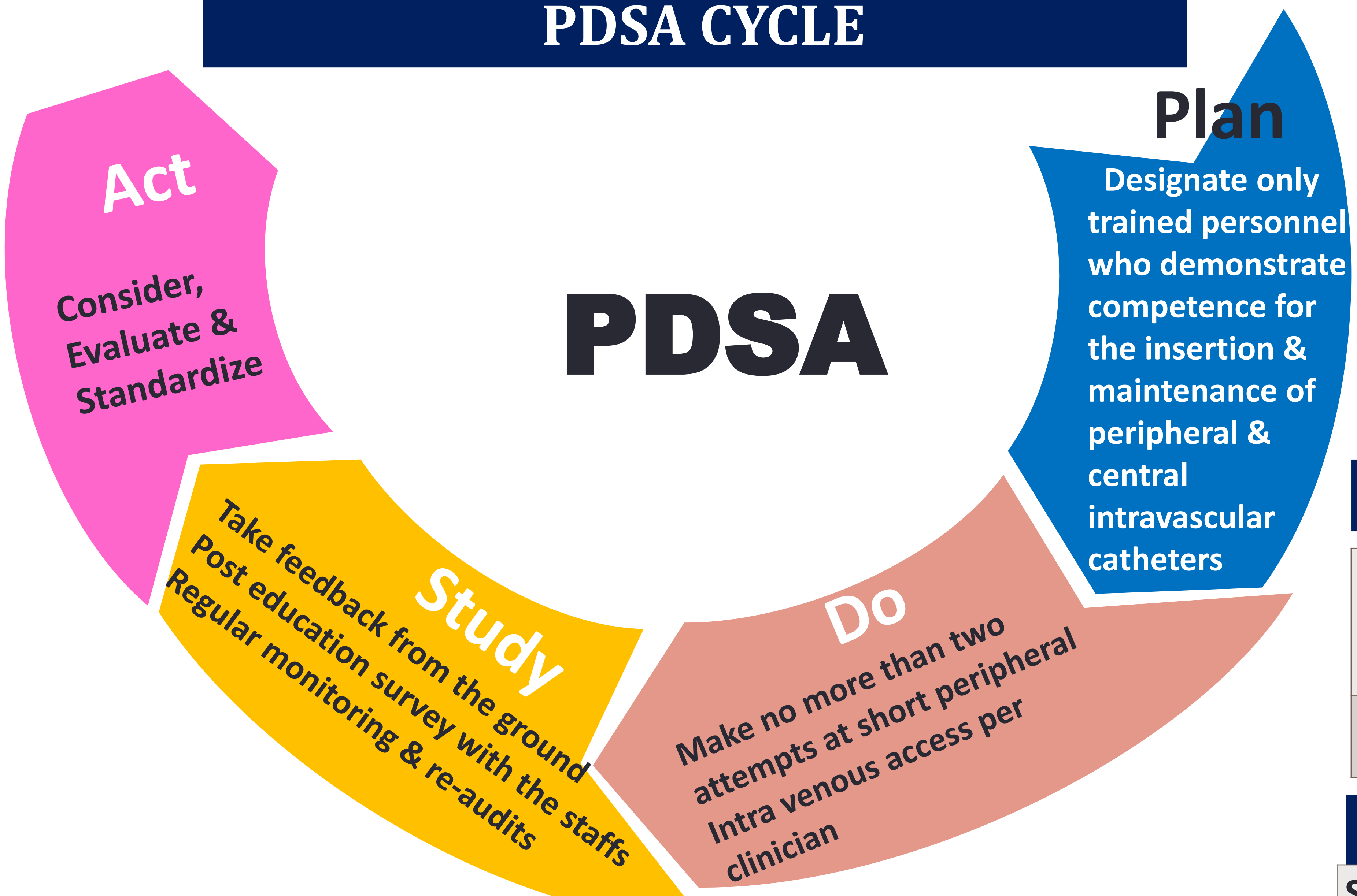
PROCESS FLOW –PAST STATE



PROCESS FLOW –PRESENT STATE



PDSA CYCLE



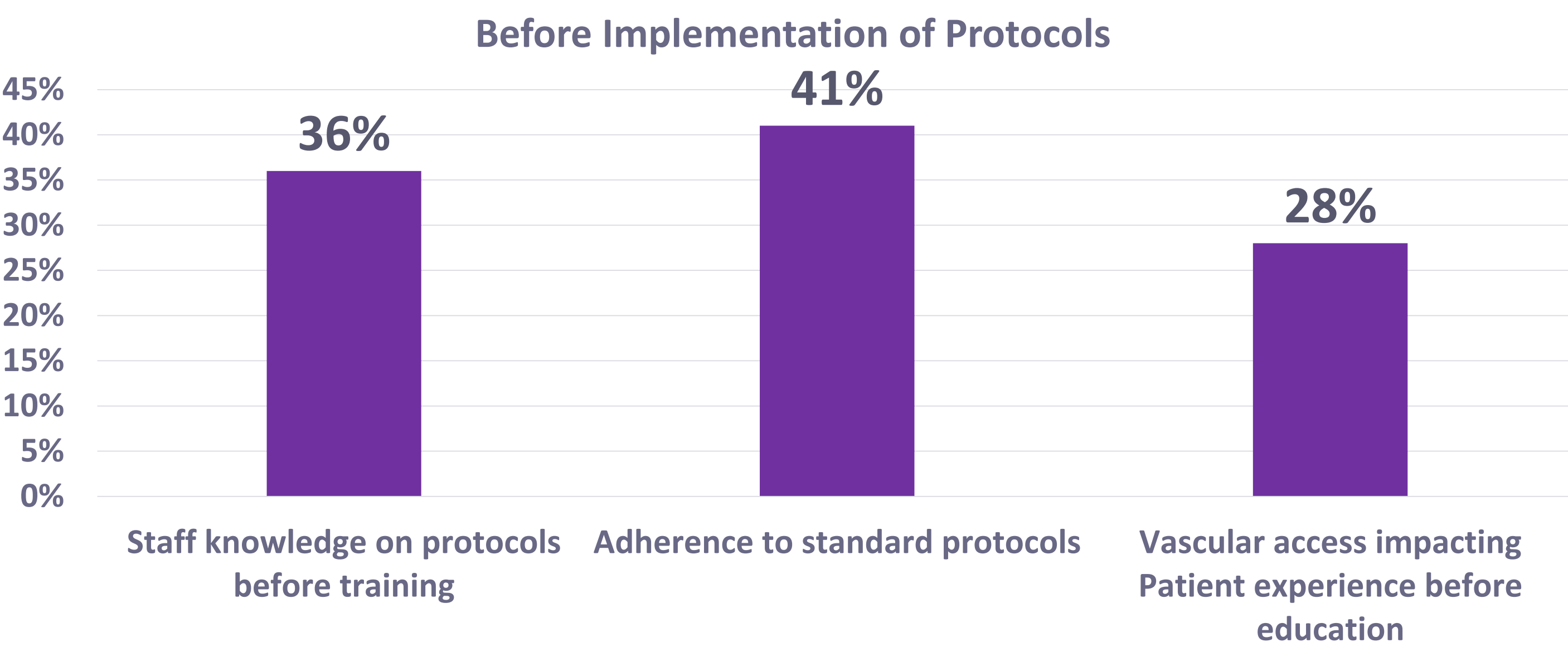
HIGHLIGHTS/ACTIVITIES

Giffard Memorial Hospital implemented following key measures to improve vascular access care :

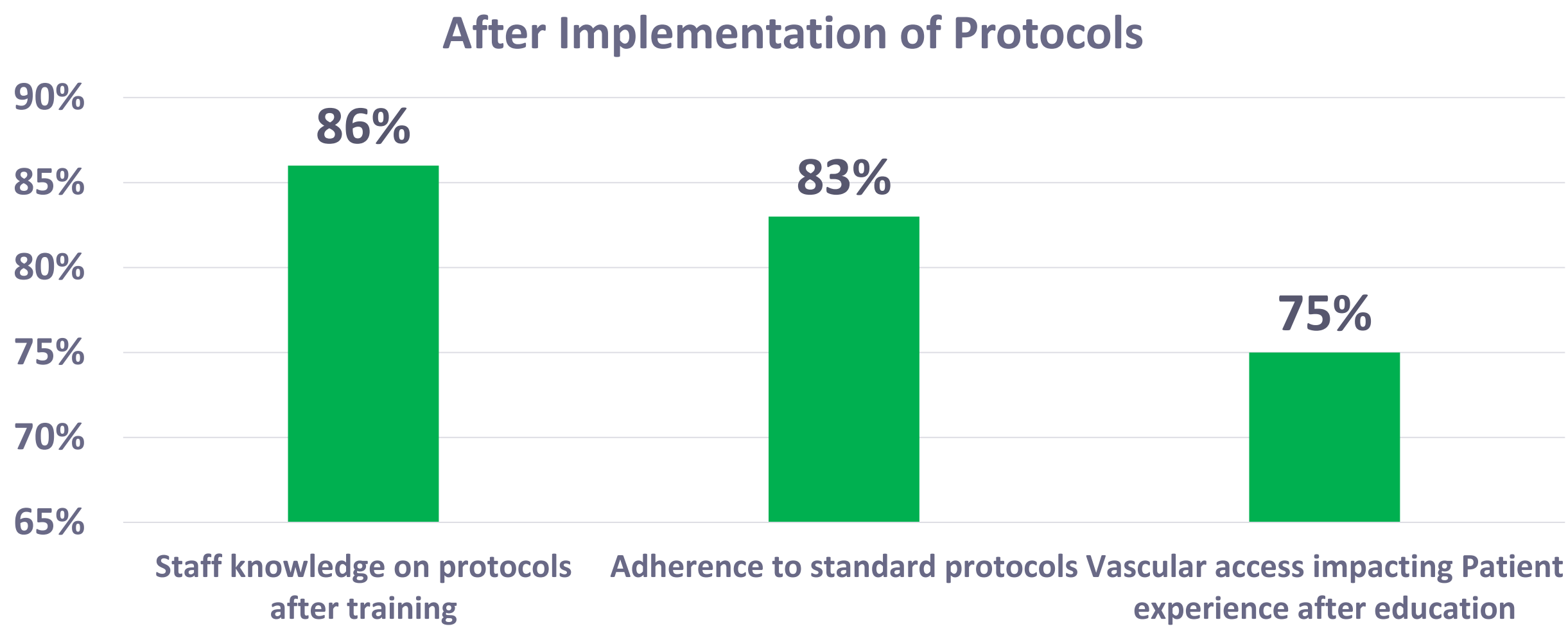
- Need based trainings for clinician & staffs
- Daily review of PIV Catheter
- IV team formation
- Increased compliance to scrub the hub
- Inclusion of usage of closed system IV connectors
- Promoted patient education for early identification of complications
- Standardized usage of pre-filled flushing device for IV catheter flushing
- Increased compliance of hand hygiene



GRAPHICAL PRESENTATION BEFORE PROTOCOLS



GRAPHICAL PRESENTATION AFTER PROTOCOLS



STATISTICAL SUMMARY OF VAM BEFORE PROTOCOLS

Staff knowledge on protocols before training	Adherence to standard protocols	Vascular access impacting Patient experience before education
36 %	41 %	28 %

STATISTICAL SUMMARY OF VAM AFTER PROTOCOLS

Staff knowledge on protocols before training	Adherence to standard protocols	Vascular access impacting Patient experience before education
86 %	83 %	75 %

RESULTS

Best observed dwell time in clinically indicated removals – 138 hours/> 5 days

Best achievable dwell time -144 hours/6 days

IV MEDICATIONS											
Catheter type	Preparation	Insertion	Site	Hub	Flush	Change	Removal	Complication	Documentation	Review	Signature
1	Jaco	10	10	10	10	10	10	10	10	10	10
2	Jaco	10	10	10	10	10	10	10	10	10	10
3	Jaco	10	10	10	10	10	10	10	10	10	10



FUTURE GOALS

- Assure compliance to policy
- Continuous monitoring & re evaluation