

Venous thromboembolism (VTE) risk assessment in antenatal patients admitted to maternity ward



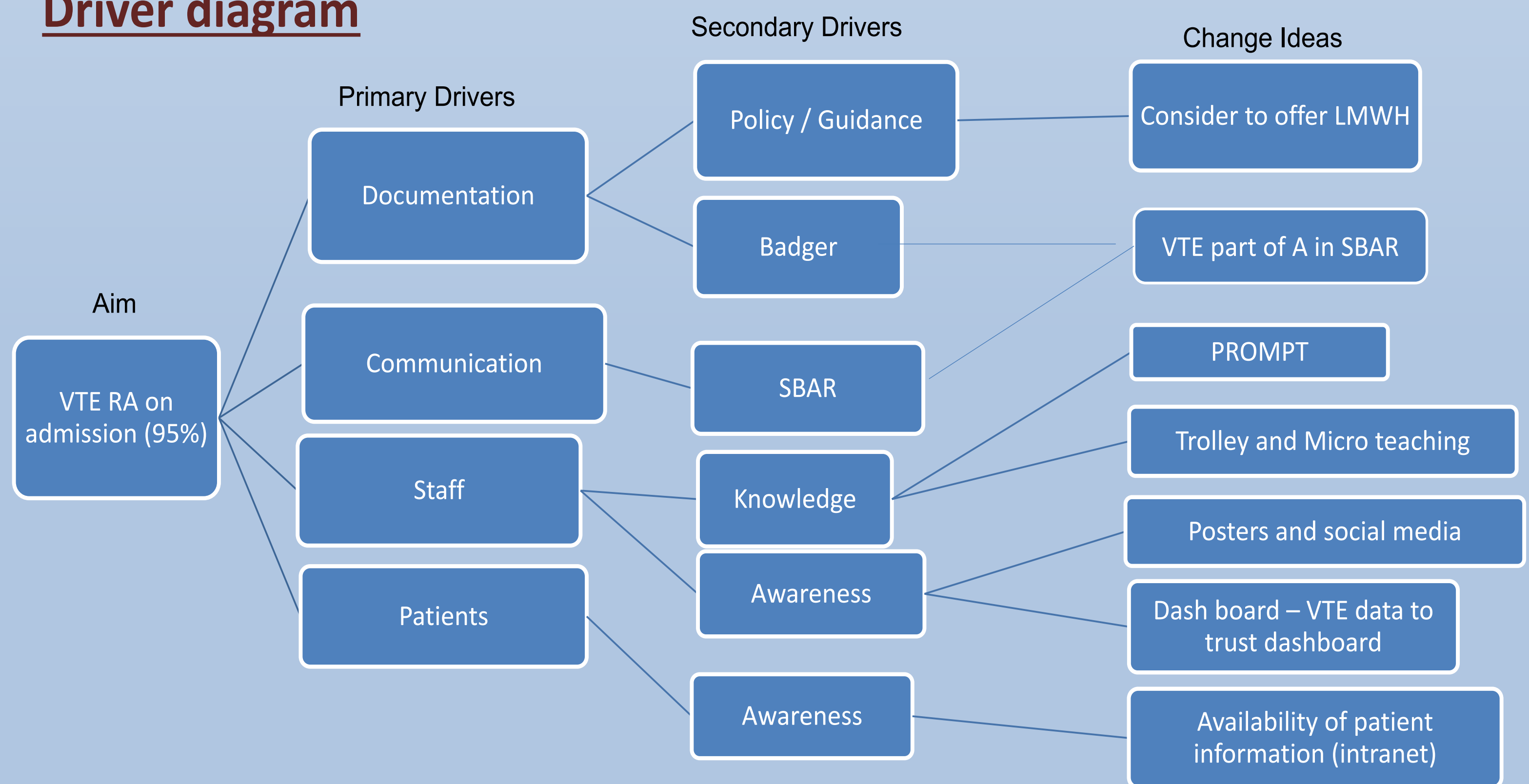
Dr . Lalitha Polepalle – Obstetric Registrar
 Trine Jorgensen - Matron, Miss Jothi Doraiswamy - Obstetric Consultant
 VTE Champions - ANW doctors and midwives

Background

- VTE is one of the major contributors of maternal mortality (16%) – MBACE UK
- QI initiation - 52%(poor) compliance in September 2023
- RCOG and NICE – mandatory VTE risk assessment to all pregnant women on each admission

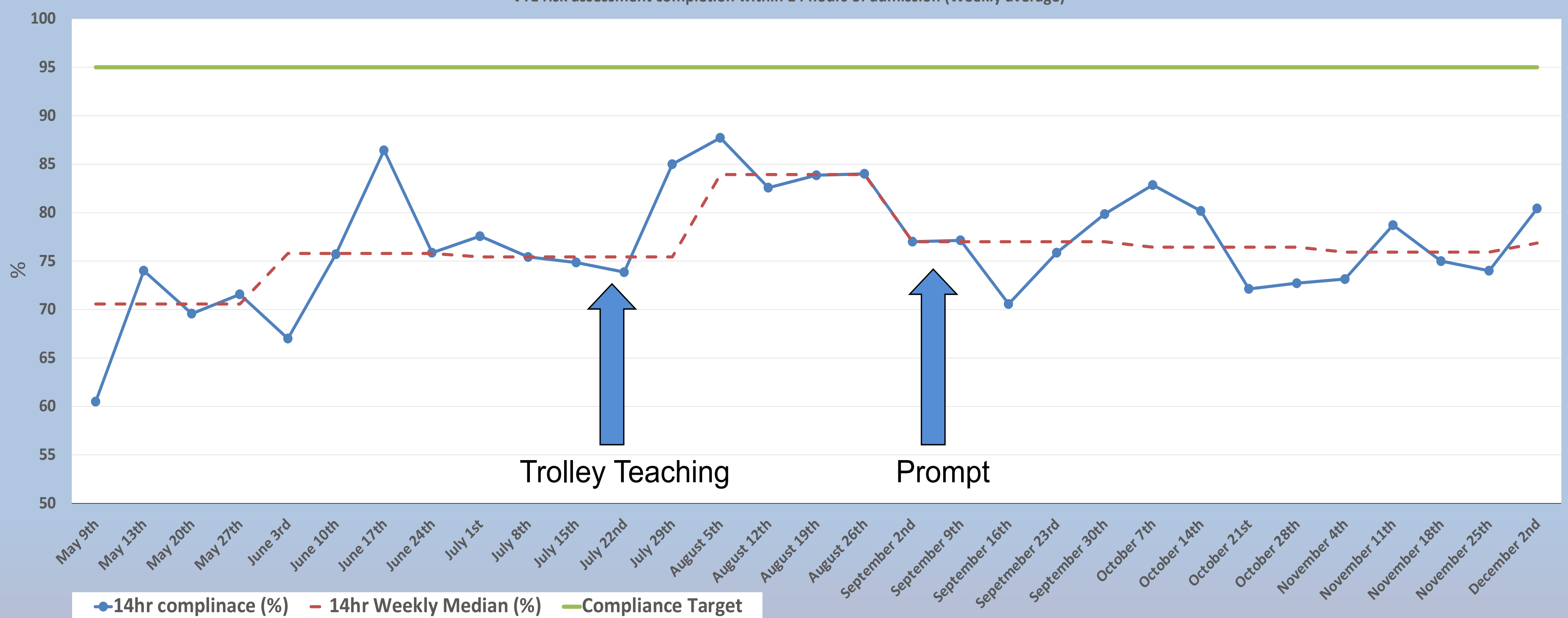
Aim : To achieve 95% of antenatal patients having VTE risk assessment done within 14 hours of admission

Driver diagram



Weekly run chart May 2024 – December 2024

VTE risk assessment completion within 14 hours of admission (Weekly average)



Plan-Do-Study-Act Cycles:

PDSA 1 – May 2025 after change in guidance and create awareness by poster and emails.

Improved compliance in VTE risk assessment noted however, need for emphasis on timeframe within 14hrs identified.

PDSA 2 - Trolley teaching August 2025 ,Microteaching and ANW manager involvement. Analysing the run chart and reviewed the manually collected data . Re process mapping done.

Challenges :

- Digital and electronic systems role in data collection.
- Bring a change in practice and mindset of the staff .

Outcome & Conclusion:

VTE risk assessment done at admission has gradually increased to 85% (August) however decreased to 75% and is maintained at that level.

There is a need for further improvement to reach the aim >= 95%. We revisited the data and re-process mapped it. With support from data analyst, data collection is modified to reflect the actual clinical practice and reprocess mapping has been done.

Future plans :

- Modification of data collection to reflect the actual clinical practice.
- Introduction of pregnancy specific VTE information on trust intranet.