

CEC VTE Prevention Toolkit

Example Plan, Do, Study, Act (PDSA) Cycles

These example PDSA cycles were created in the [Quality Improvement Data System \(QIDS\)](#) (note that a driver diagram complete with change ideas must be created before you can create PDSA cycles in QIDS).

PDSA Cycle - Conduct VTE education campaign to increase knowledge Version 1.0

Change Idea	Conduct VTE education campaign regarding importance	?
Test of Change	Conduct VTE education campaign to increase knowledge	?
When	10/03/2021	
Who	Thulasee Sr	
Where	Ward C6	
Objective	Evaluate whether conducting a VTE education campaign to increase medical officer knowledge of why VTE risk assessment is important using a standardised tool and the impact of VTE on morbidity/mortality	

1 Plan

Overview	Medical officers are unaware of the importance of VTE risk assessment using a standardised tool and the impact of VTE on morbidity/mortality	?
Prediction	If medical officers are educated on these issues, this will increase their willingness to comply with VTE risk assessment requirements	?
Tasks	Create educational material and disseminate through informal/formal	?
Measures	Numbers of medical officers reached on Ward C6	?

2 Do

During the week over business hours:

- Three members to put together information to present to medical officers through informal (conversations) and formal (newsletters, emails etc) channels
- A team member presented the medical officers on Ward C6 with this information regularly over the week until all regular staff were reached and also sent it out via email

3 Study

Everyone was agreeable and listened to the information. Most were unaware of the extent of the impact of VTE and why using a standardised tool was important, rather than undertaking a quick assessment relying on memory of patient risk factors.

Most JMOs don't check their work emails regularly and didn't read the material sent to them.

After one week, an audit of 7 patients was undertaken. 3 had a VTE risk assessment within 24 hours of admission, which was only a slight improvement from baseline

4 Act

Education is essential to improve knowledge and awareness, but a more effective means to prompt behaviour change is needed.

PDSA Cycle - Present data to Consultants on hospital acquired VTE & risk assessment completion Version 1.4

Change Idea	Provide regular data driven reports on local VTE risk ass	?
Test of Change	Present data to Consultants on local VTE risk assessment I	?
When	16/03/2021	
Who	Thulasee S	
Where	Ward C6	
Objective	Evaluate whether presenting Consultants with data on local VTE risk assessment rates/VTE complication data will be an effective strategy to increase timely VTE risk assessment	

1 Plan

Overview	JMOs and registrars are most likely to conduct VTE risk assessments however, they often skip this and prioritize other tasks asked of them by the Consultant	?
Prediction	If Consultants are presented with regular data regarding VTE risk assessment rates and local VTE complication data, they will be more likely to ask their teams to prioritize VTE risk assessment	?
Tasks	Collect local data on risk assessments rates and VTE complicati	?
Measures	Number of Consultants reached, VTE risk assessment rate, VTE c	?

2 Do

During the week over business hours:

- A team member did a random audit of 10 patients on Ward C6 to calculate the VTE risk assessment rate and asked the Clinical Governance Unit for the local VTE Hospital Acquired Complication (HAC) rate over the year.
- Team leader asked medical records to provide information on the last 10 inpatients who experienced a hospital acquired VTE, then checked if how many of these patients had a VTE risk assessment.
- A team member summarized the findings into a short document and presented this to a Consultant with regular patients on Ward C6

3 Study

The Consultant receiving this information was surprised and asked to be reminded about what was required of her team to complete a VTE risk assessment. She said she would remind her registrars/JMOs to complete a VTE risk assessment within 24 hours of admission.

One week after speaking to the Consultant, a random audit of 5 of her patients found that the 3 out of 5 had a VTE risk assessment completed within 24 hours of admission and 2 out of 5 completed by 48 hours.

4 Act

The intervention resulted in increased VTE risk assessment within 24hrs.

Present the findings to other Consultants on Ward C6 and continue tracking VTE risk assessment completion rate on Ward C6.