

## Real-Time Feedback by Personal Text Message as a Successful QI-Tool to Boost Pediatric VTE Screening Rate

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# Real-Time Feedback by Personal Text Message as a Successful QI-Tool to Boost Pediatric VTE Screening Rate

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## Introduction

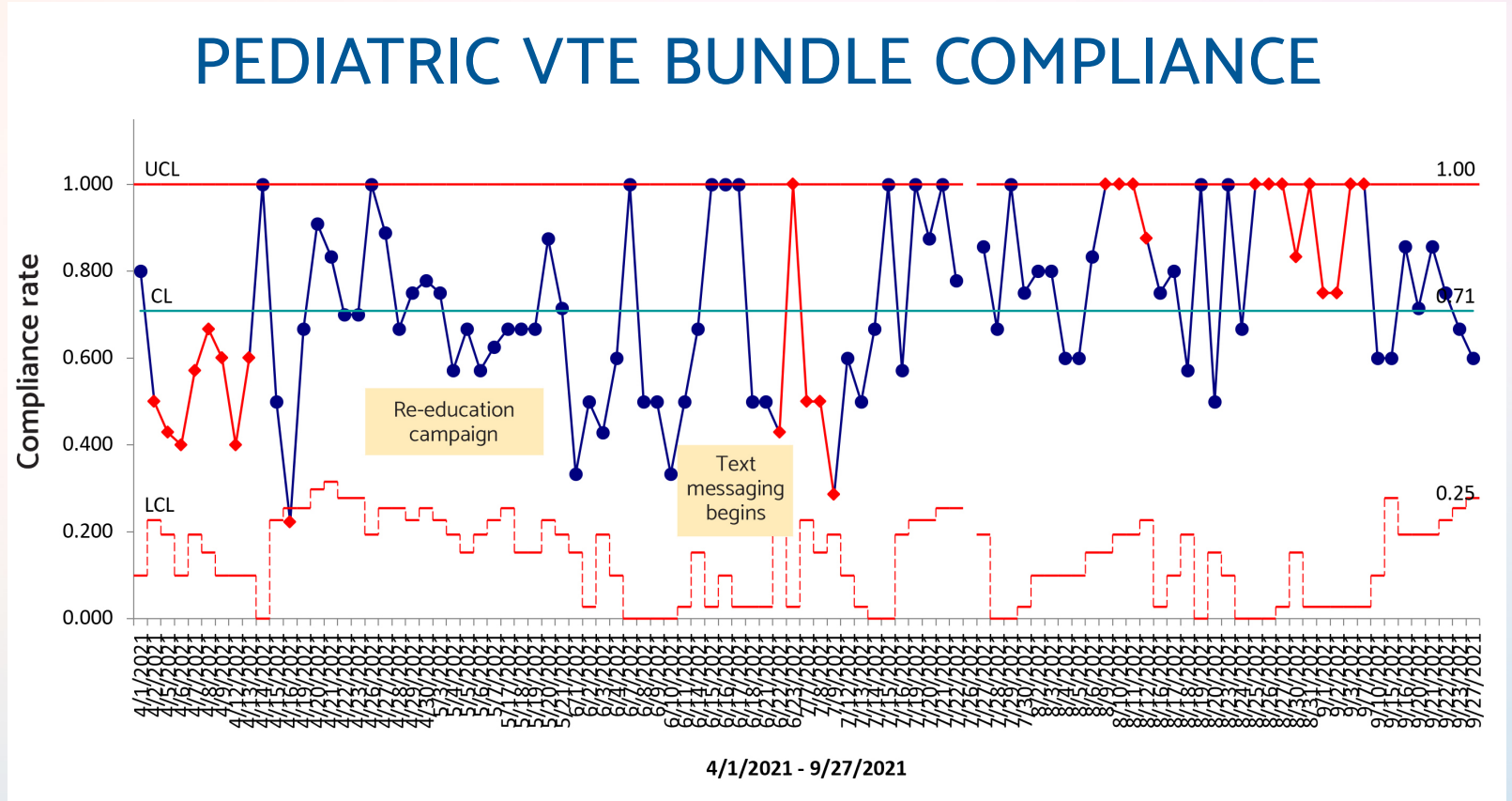
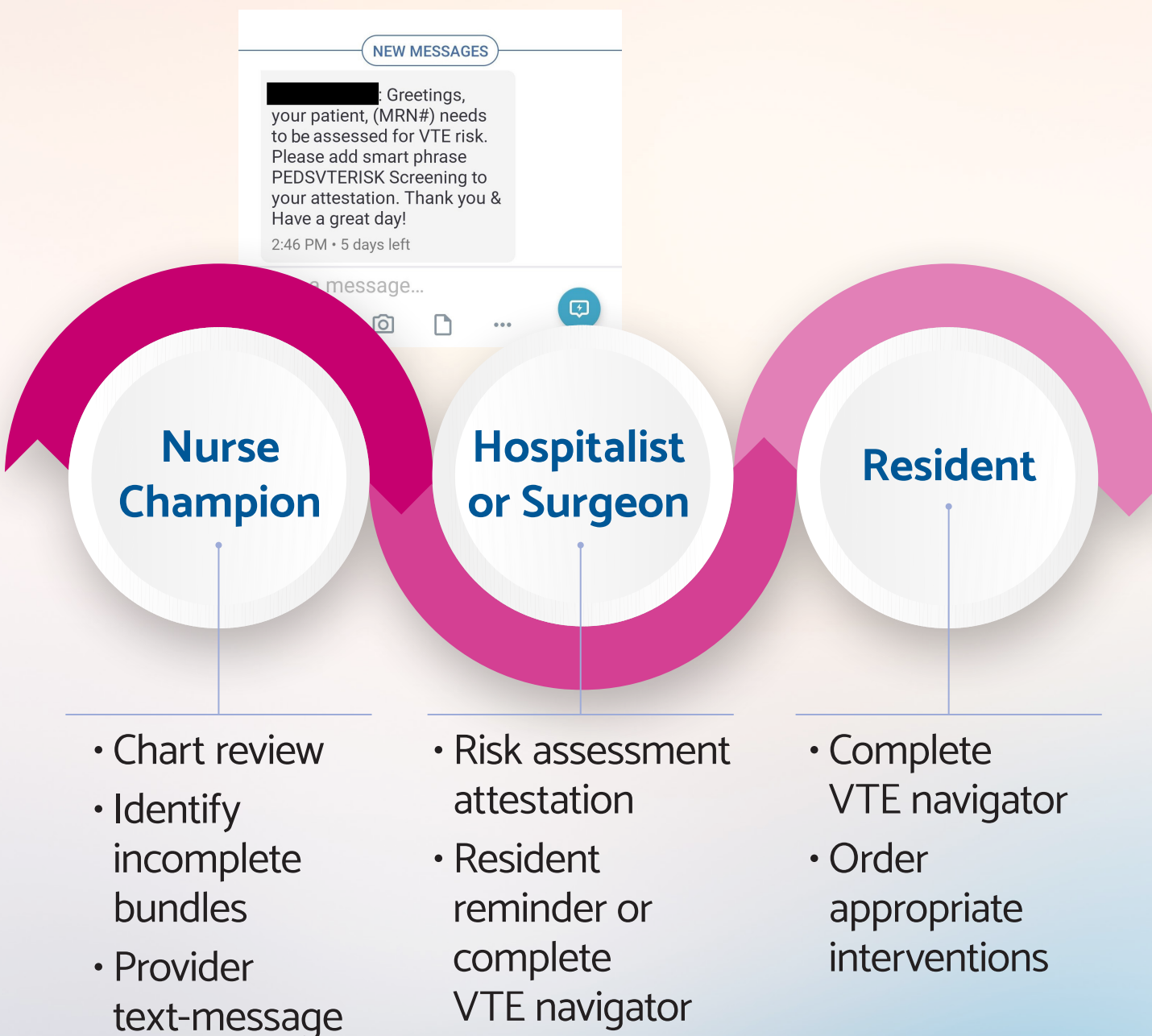
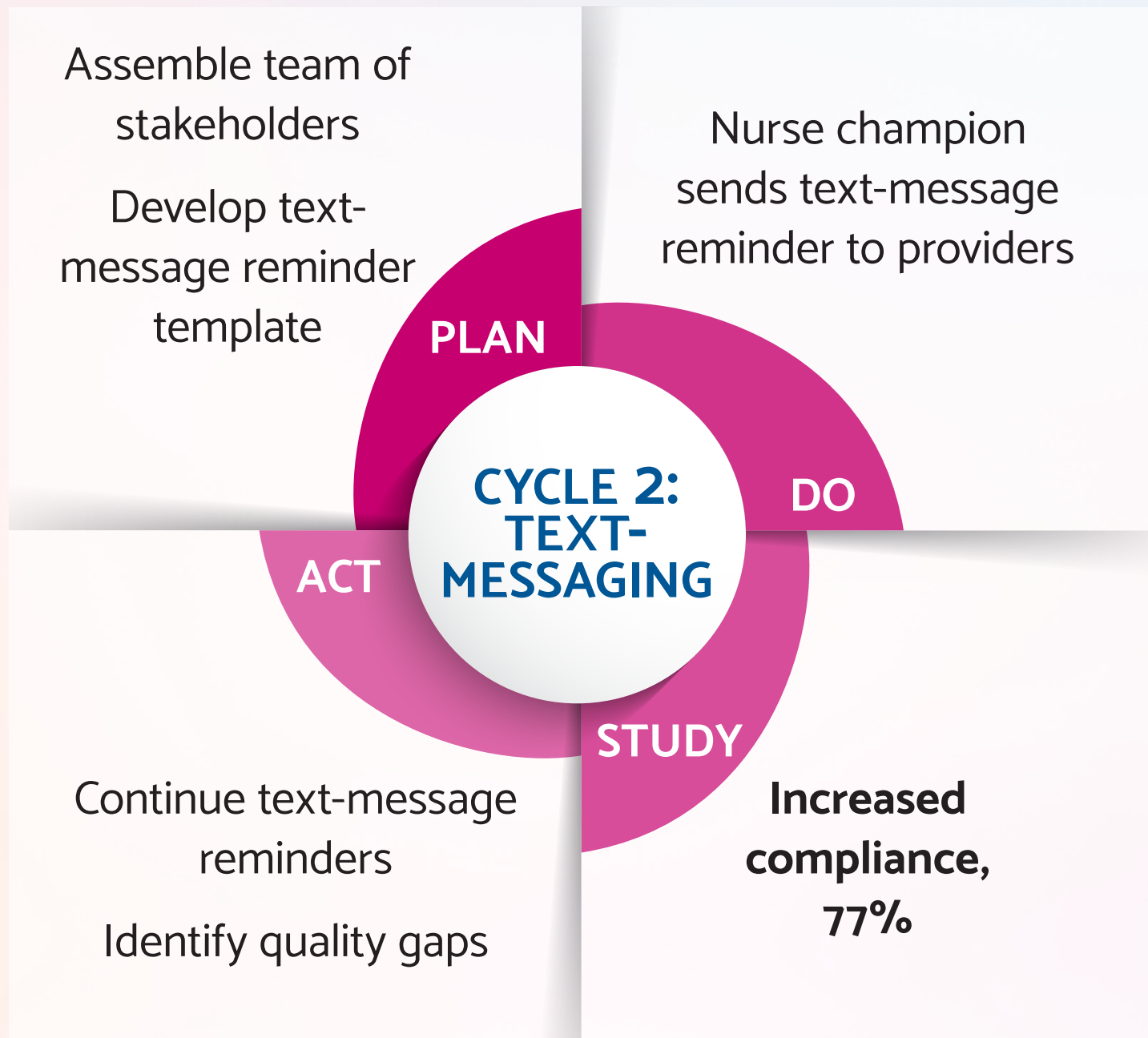
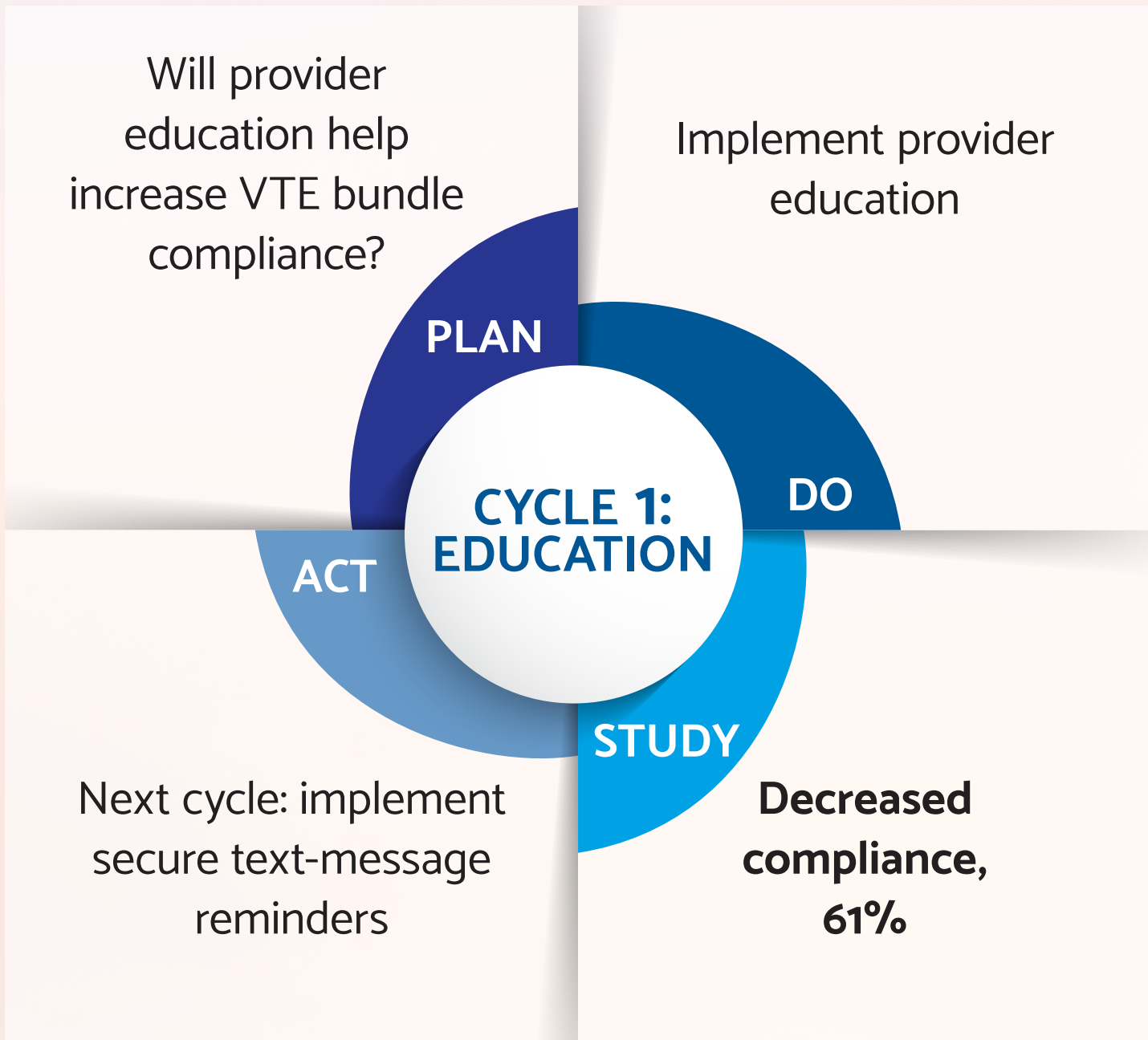
- Incidence rate of hospital-acquired venous thromboembolism (VTE) in pediatric population is 58/10,000 admissions per year
- Several risk assessment tools for pediatric VTE are published
- Previous local work had established VTE-navigator in EHR
- Compliance with risk assessment varies significantly between different disciplines

## Quality gaps

- Underutilized on surgical services
- Most common provider-related bundle failures:
  - Lack of completed risk assessment
  - Lack of appropriate intervention orders placed

## Objective

- To improve poor compliance with a previously implemented universal VTE-prevention bundle for patients aged 12-17 years old on our general inpatient pediatric and surgical services



## Interventions and Evaluation

- Facility
  - 30 beds and ~3,500 admissions per year
  - 6 medical and surgical services
- Tools
  - Secure text-messaging software (Tigertext™)
- Baseline compliance with VTE risk assessment and prevention bundle measures was 66%
  - 508 bundle opportunities
  - 2 PDSA Cycles

## Conclusion

- Rise in compliance rate by >10% when personalized feedback via text-message was implemented
- Text-message frequency decreased from 7/week to 1/week within 4 week period
- Multiplier effect that the attending leader has on direct subordinate team members can be credited for the quickly decreased need of reminder messages

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