

# Patient Safety and Continuity of Care: A Case Study on Enhancing Care Transitions for Patients with Venous Thromboembolism

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### Background

- > 300,000–600,000 new cases of venous thromboembolisms (VTE) every year at \$7–\$10 billion annually cost.<sup>1,2</sup>
- Anticoagulants as primary treatment for VTE; typically extends for 3 – 6 months.
- Since their approval in 2012, use of DOACs to treat VTE has been on the rise.
- > DOACs do not require blood monitoring, leaving patients & providers without transition support.
- DOAC safety and effectiveness are highly dependent on safe prescribing<sup>3</sup> and patients' ability to effectively manage their medications.<sup>4</sup>

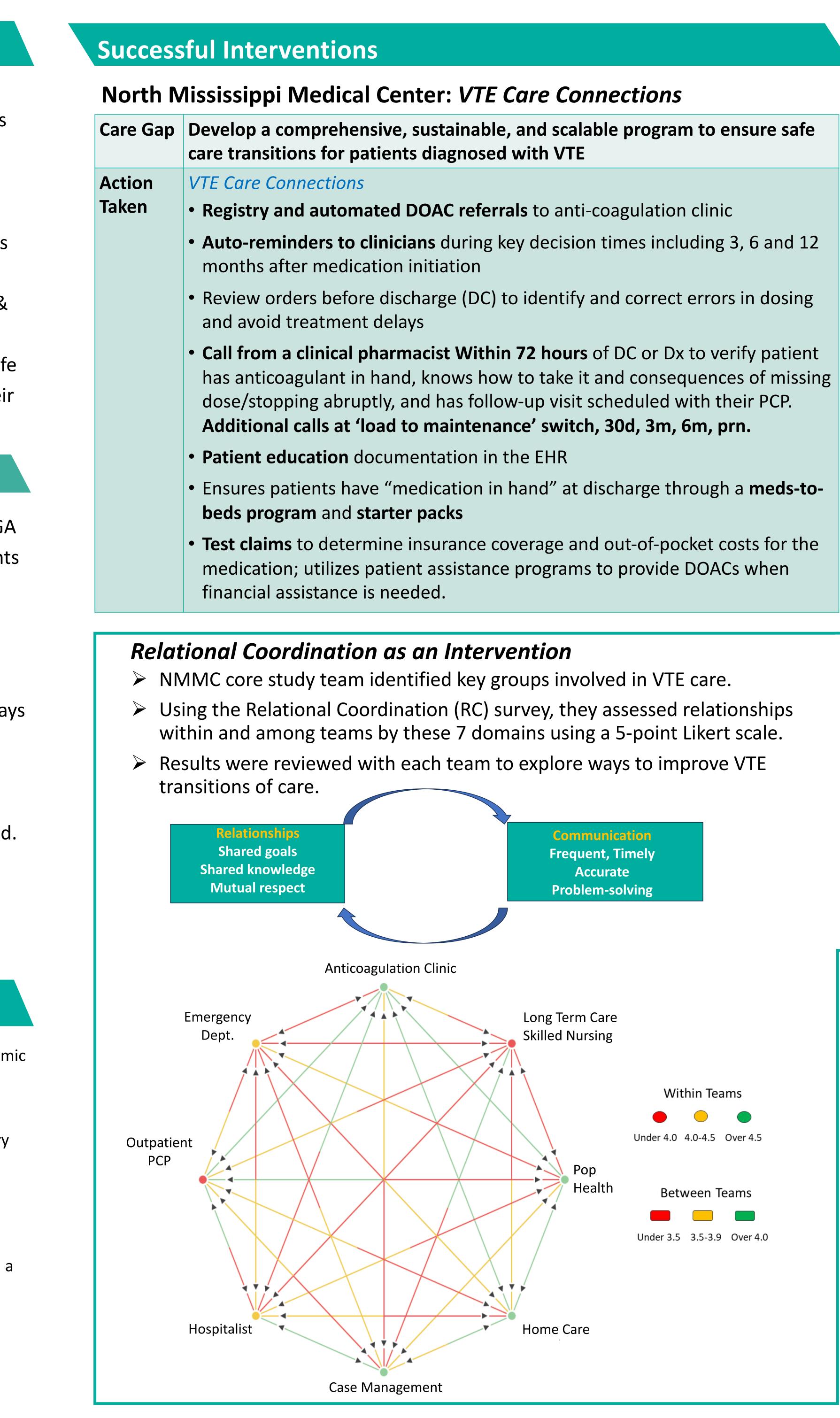
### Methods

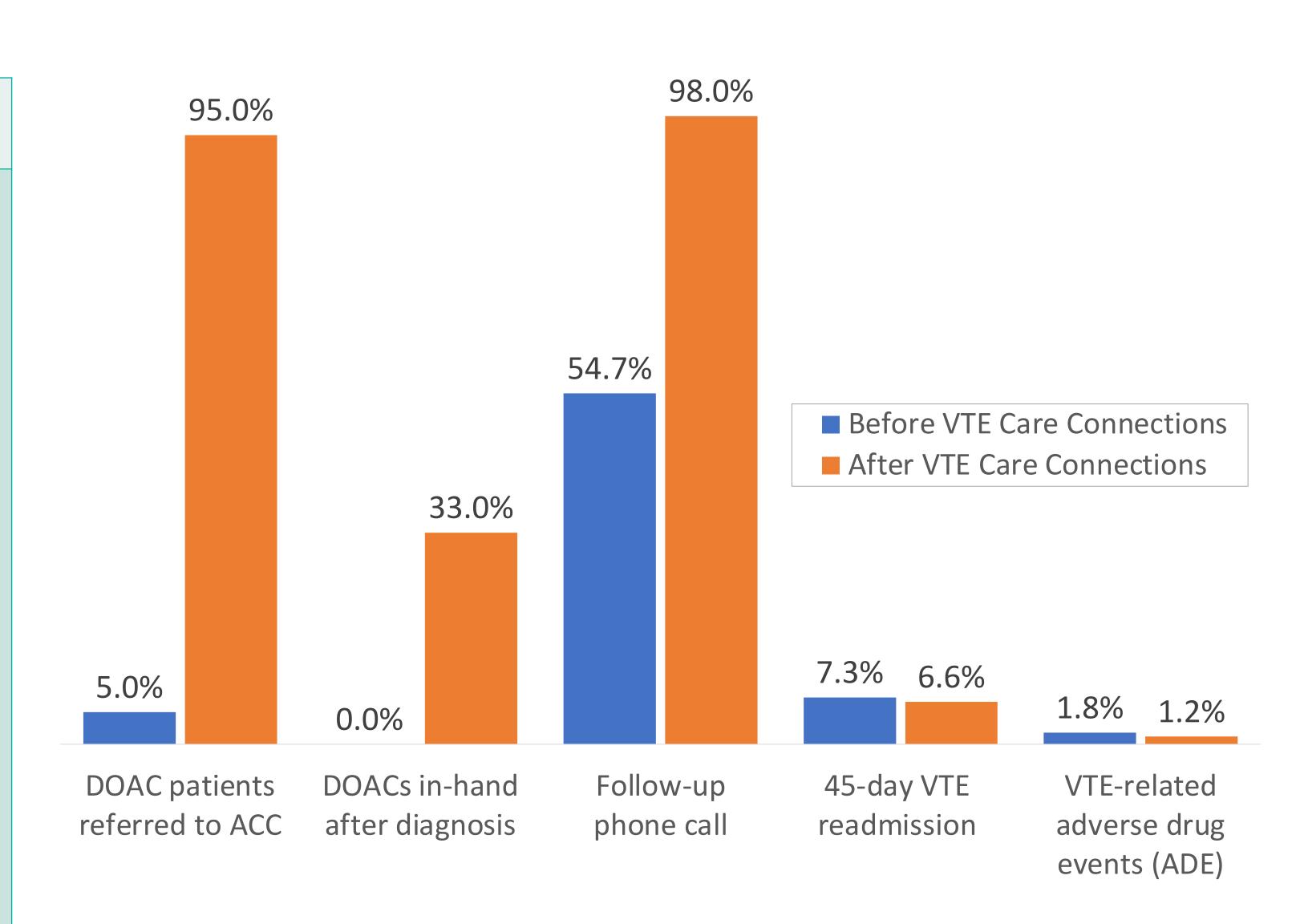
- North Mississippi Medical Center (NMMC) was 1 of 6 AMGA members to participate in study to improve care for patients with VTE across settings (ambulatory, emergency department, and hospital)
- Study primary outcomes:
- Follow-up within 7-days (visit or phone call)
- Hospital admission or ED visit (with VTE Dx) within 45 days
- Hospital admission or ED visit with anticoagulantassociated adverse drug event (ADE) Dx within 45 days
- NMMC VTE Care Connections program outcomes:
  - Referrals to ACC for VTE patients with a DOAC prescribed.
  - VTE patients with medication in-hand at discharge or outpatient diagnosis.

# References

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- 2.CDC Data and Statistics on Venous Thromboemolism. Accessed February 12, 2024, 2024. https://www.cdc.gov/ncbddd/dvt/ha-vte.html
- 3.Barr D, Epps QJ. Direct oral anticoagulants: a review of common medication errors. J Thromb Thrombolysis. Jan 2019;47(1):146-154. doi:10.1007/s11239-018-1752-9
- 4.Al Rowily A, Baraka MA, Abutaleb MH, et al. Patients' views and experiences on the use and safety of directly acting oral anticoagulants: a qualitative study. *J Pharm Policy Pract*. May 1 2023;16(1):58. doi:10.1186/s40545-023-00563-y

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Examples of interventions th		
Interve Domair	ntion ns/Needs	As
•	e communicat ationships bet ers	
Manag	escribing and ement of agulants	<ul> <li>Use hos</li> <li>Coo for</li> <li>Util DO</li> <li>Use</li> </ul>

## Conclusions

- implementation and uptake.
- Health System.
- and leveraging clinical pharmacists.

## **VTE Care Connections Outcomes**



### hat came out of RC survey work

### ssociated Interventions

ork across teams to identify patients in need of medication cess or additional education

e the employee pharmacy to dispense anticoagulants in the spital through the creation of a "meds-to-beds" program. ordinate with local retail pharmacies to stock "starter packs" DOACs (24/7).

ilize patient assistance programs or vouchers to provide ACs when financial assistance is needed.

e clinical pharmacists in ACC to provide hospital and ED with guidance on prescribing options for DOACs

> The ACC and clinical pharmacists can play an important role in

managing VTE patients on DOACs, including care coordination, safe

prescribing, and patient education via timely follow-up.

The VTE Care Connections program showed how relational

coordination can help identify needs, intervention planning,

> VTE Care Connections to be expanded to broader North Mississippi

Positive outcomes for VTE patients were associated with identifying & addressing communication and relationship concerns, integrating coordination processes into the EHR, adding DOAC patients to the ACC,

