



New York State  
Partnership  
for Patients



# Optimizing Anticoagulation Care Series:

**Who, What and When of VTE Prevention**

July 12, 2018

*A partnership of the Healthcare Association of New York State  
and the Greater New York Hospital Association*



# Agenda

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Topic	Speaker
Welcome and Introductions	NYSPFP Staff
Optimizing VTE Prophylaxis Utilizing Risk-Assessment Models	<b>Kim Zammit, PharmD, BCPS, BCCCS, FASHP</b> Clinical Pharmacy Coordinator, Kaleida Health Buffalo General Medical Center
DVT Prophylaxis: What Can I Use	<b>David B. Coriale, RPh. PharmD, BCPS</b> Clinical Pharmacy Manger, Oneida Healthcare
VTE Prophylaxis: Duration	<b>David J Rosenberg, MD, MPH, FACP, SFHM</b> Director, Evidence Based Clinical Practice Northwell Health Hospitalist, Department of Medicine Associate Professor of Medicine Donald and Barbara Zucker School of Medicine at Hofstra/Northwell
Q&A and Closing Remarks	NYSPFP Staff



# Optimizing Anticoagulation Care Series

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- Previous Events
  - Webinar: Understanding Risks, Benefits, and Treatment Indications
    - April 2018
  - In Person Conferences: The Nuts and Bolts of Anticoagulation
    - May 2018
- Upcoming Events
  - September Webinar: Transitions of Care for Patients on Anticoagulants



# Optimizing Anticoagulation Care Series

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- Partnering with the Society of Hospital Medicine
- Engaging expert clinical faculty

- David Rosenberg, MD, MPH, FACP, SFHM

- Director, Evidence Based Clinical Practice
- Hospitalist, Department of Medicine
- Northwell Health
- Associate Professor of Medicine



- Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

David Coriale, RPh, PharmD, BCPS

- Clinical Pharmacy Manager Oneida Healthcare

Kim Zammit, PharmD, BCPS, BCCCS, FASHP

- Clinical Pharmacy Coordinator, Kaleida Health
- Buffalo General Medical Center





## Why Anticoagulants?

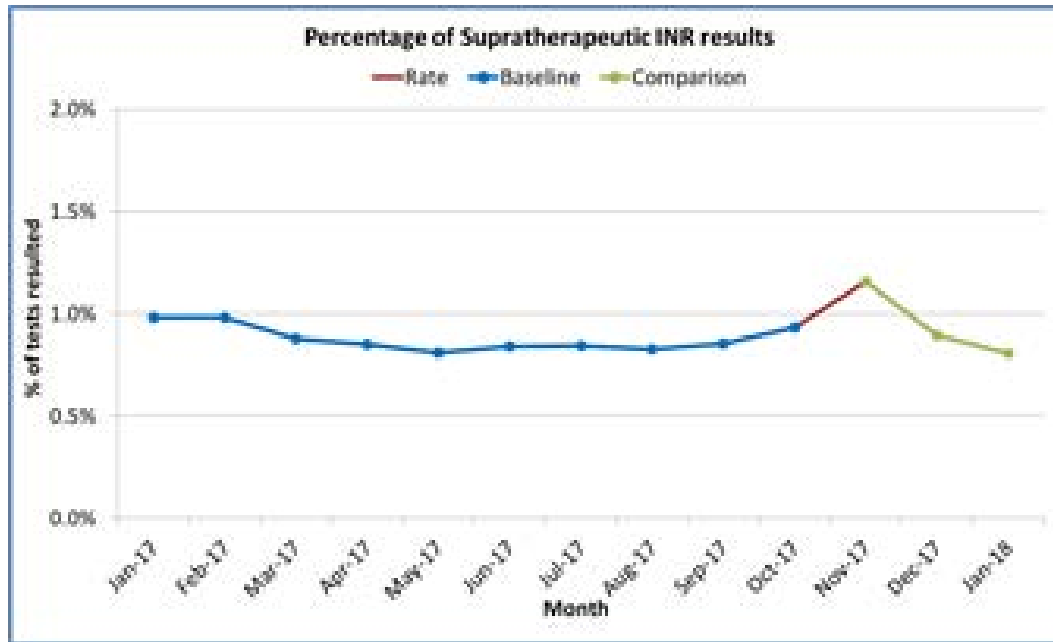
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- Anticoagulants account for 17.6% of all ED visits for outpatient adverse drug effects, more than any other class of drugs
- Anticoagulants continue to account for large numbers of reported serious injuries (n=18,978) and deaths (n=3,018) in the US.
- Heparin and warfarin have been associated with medication errors more than many other medications
- Most adverse effects are preventable



# Anticoagulant ADE Measure

Measure Type	Measure Description	Numerator Definition	Denominator Definition	Data Submission Time Period
Process Measure	Percentage of Supratherapeutic INR results	Number of INR results with values $\geq 5$	Number of all INR tests resulted	Monthly

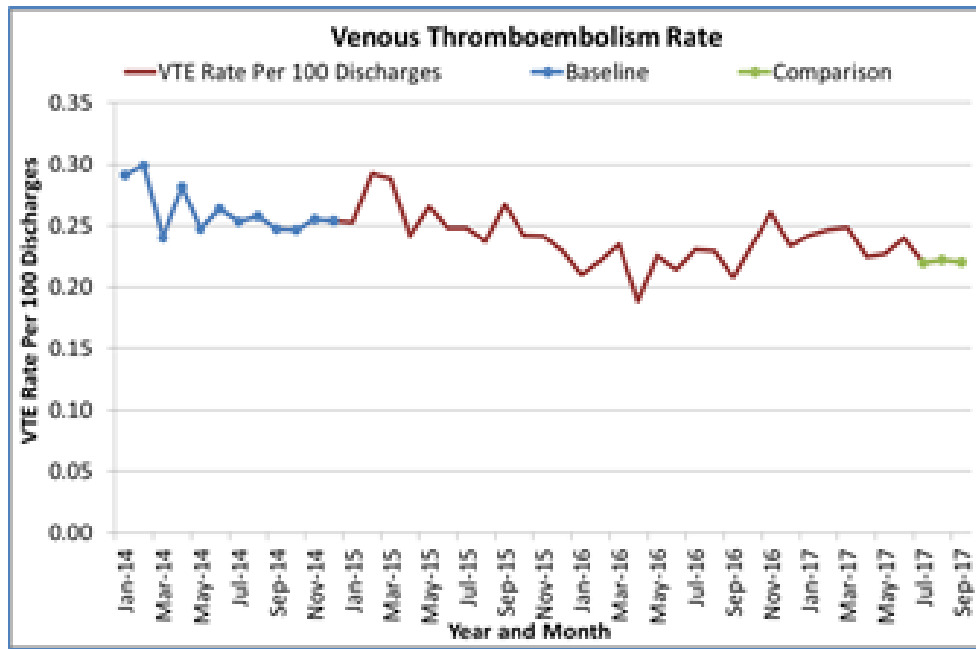


Supratherapeutic INR mg/dL mg/dL ADE Rate	Baseline 1/17-11/17	Number Reporting	Comparison Period 12/17-2/18	Number Reporting	% Improvement
Non-rural hospital cohort	0.88	98	0.93	80	-5.39 ↓



# VTE Measures

Measure Type	Measure Description	Numerator Definition	Denominator Definition
Outcome Measure	VTE rate per 100 adult inpatient discharges	Number of facility-acquired VTEs among adult inpatient discharges	Number of medical and surgical adult inpatient discharges

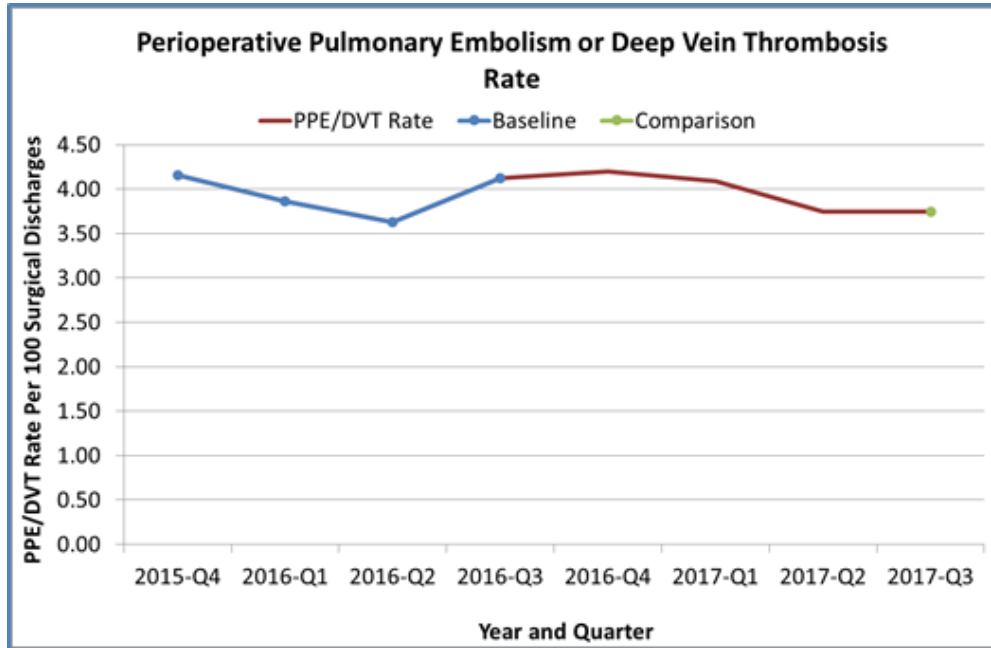


VTE Rate	Baseline 1/14-12/14	Number Reporting	Comparison Period 7/17-9/17	Number Reporting	% Improvement
Non-rural hospital cohort	0.26	152	0.22	150	15.45 ↑



# VTE Measures

Measure Type	Measure Description	Numerator Definition	Denominator Definition
Outcome Measure	AHRQ PSI 12 — Perioperative PE or DVT (secondary diagnosis) per 1000 surgical discharges for patients $\geq$ 18 years old	Number of surgical patients with hospital-acquired DVT or PE	Number of adult surgical discharges



PSI-12	Baseline 10/15-9/16	Number Reporting	Comparison Period 7/17-9/17	Number Reporting	% Improvement
Non-rural hospital cohort	3.94	151	3.74	149	5.01 ↑





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# Question and Answer

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## Next Steps

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- Contact your Project Manager for assistance with your ADE prevention activities
- Access the tools and resources on the NYSPFP website
  - Previous event materials and recordings
  - Tools and Resources
- Join us in September for the final webinar in the series. Watch your inbox for the date and time.

INITIATIVE OVERVIEW MEETING MATERIALS TOOLS & RESOURCES

Check this page often for updated tools and resources from the NYSPFP Adverse Drug Events Initiative.

Suggested Best Practices and Corresponding Tools & Resources

- ⊕ Insulin
- ⊕ **Anticoagulants**
- ⊕ Opioids
- ⊕ Medication Reconciliation
- ⊖ Additional Resources
  - National Action Plan for ADE Prevention
  - ISMP Medication Safety Tools and Resources
  - Society of Hospital Medicine Glycemic Control Implementation Toolkit
  - Society of Hospital Medicine Reducing Adverse Drug Events related to Opioids Implementation Toolkit (RADEO)
  - **Society of Hospital Medicine VTE Prevention Implementation Toolkit**