The Problem is Common
Anticoagulants are the #1 cause of ADEs. 
- 21.5% of all patients in a typical emergency department (ED) visit and over 1.2 million patients per year.

The Problem is Serious
- 80% of all ADEs related to blood thinners. 
- 50% of all ADE-related ED visits.
- Unveriﬁed variances in care can lead to signiﬁcant patient harm.
- Blinding events can occur.

The Problem Demands Action
Use of anticoagulants significantly reduces the risk of pulmonary embolism.

What is a Population Health-Based Digital Tool?
A population health-based digital tool is the use of technology to support population health management. These tools use a systematic approach to improve the quality and safety of care, mitigate unintended variation in care, and improve the quality, safety, and value of care.

The Anticoagulation Forum considers Population Health Management Dashboards to be an advantageous care model for Anticoagulation Stewardship.

Differentiating Between Digital Tool Models

Traditional Care Model
• Inefficient • 1:1 Encounters Population Health Management Dashboard
• Support systematic initiatives to anticoagulation management.17
• Enable clinicians to eﬃciently manage patients and coordinate care through seamless integration of clinically relevant information. Population Health Management Dashboard (PHMD)
• Electronic dashboard screens and identiﬁes patients at risk for anticoagulation adverse drug events.
• Implement the appropriate redundancy and robustness of data (e.g., standing committee).

Population Health Management Care Model
- Supports and implements a proactive surveillance system, therefore reducing the need for redundant ADE-related ED visits.

What Health Systems Can Do
Anticoagulation Stewardship Care Elements

Lead System-Wide Anticoagulation Leadership Commitment
• Establish an anticoagulation governance structure.
• Develop a population health anticoagulation management program.
• Establish a multidisciplinary anticoagulation management team.
• Implement robust anticoagulation stewardship programs.

High-Quality Population Health Management Accountability and Expertise
• Lead on behalf of the entire anticoagulation management program.
• Anticoagulation management program must be multidisciplinary.
• Anticoagulation management program can include pharmacists, nursing, physicians, and clinical trials.

Implement Systematic Care
• Designing and implementing policy addressing key aspects of the digital tools, such as structure and function of the tools, and delivering the care and monitoring the program.
• Implementing and refining the digital tools.

Performance Monitoring and Improvement
- Monitor system performance and provide feedback.
- Monitor and analyze key performance indicators.
- Vary performance metrics.

References