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Retrospective Study of Warfarin Use in the CentraCare Family Health Clinic



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Introduction

- Warfarin is FDA approved for a variety of indications
- Recommended INR goal ranges can vary depending on indication
- Appropriate warfarin management is necessary for safety and efficacy of the medication
- Since November 2019, warfarin has been managed by the ambulatory pharmacist in the Family Health Clinic

Purpose

- To further understand the patterns of use of warfarin within the CentraCare Family Health Clinic
- Specifically, determine the prevalence of warfarin indications and corresponding INR goals

Methods

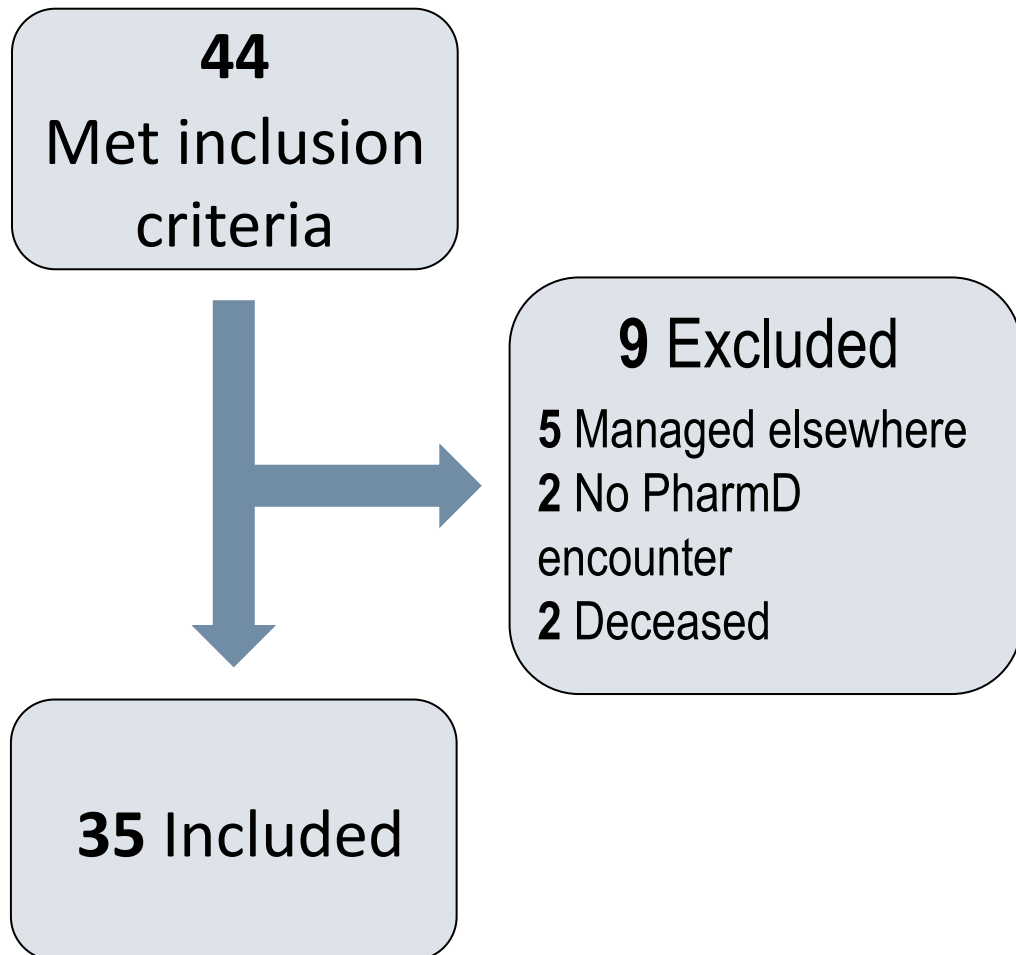
- Retrospective chart review completed for patients who met inclusion criteria
 - Indications for use and INR goals were compiled to determine the prevalence of each
- Inclusion Criteria:**

 - 18 years or older
 - Prescribed warfarin by a provider within the Family Health Clinic
 - Prescription written between 11/1/2019 and 8/12/2020

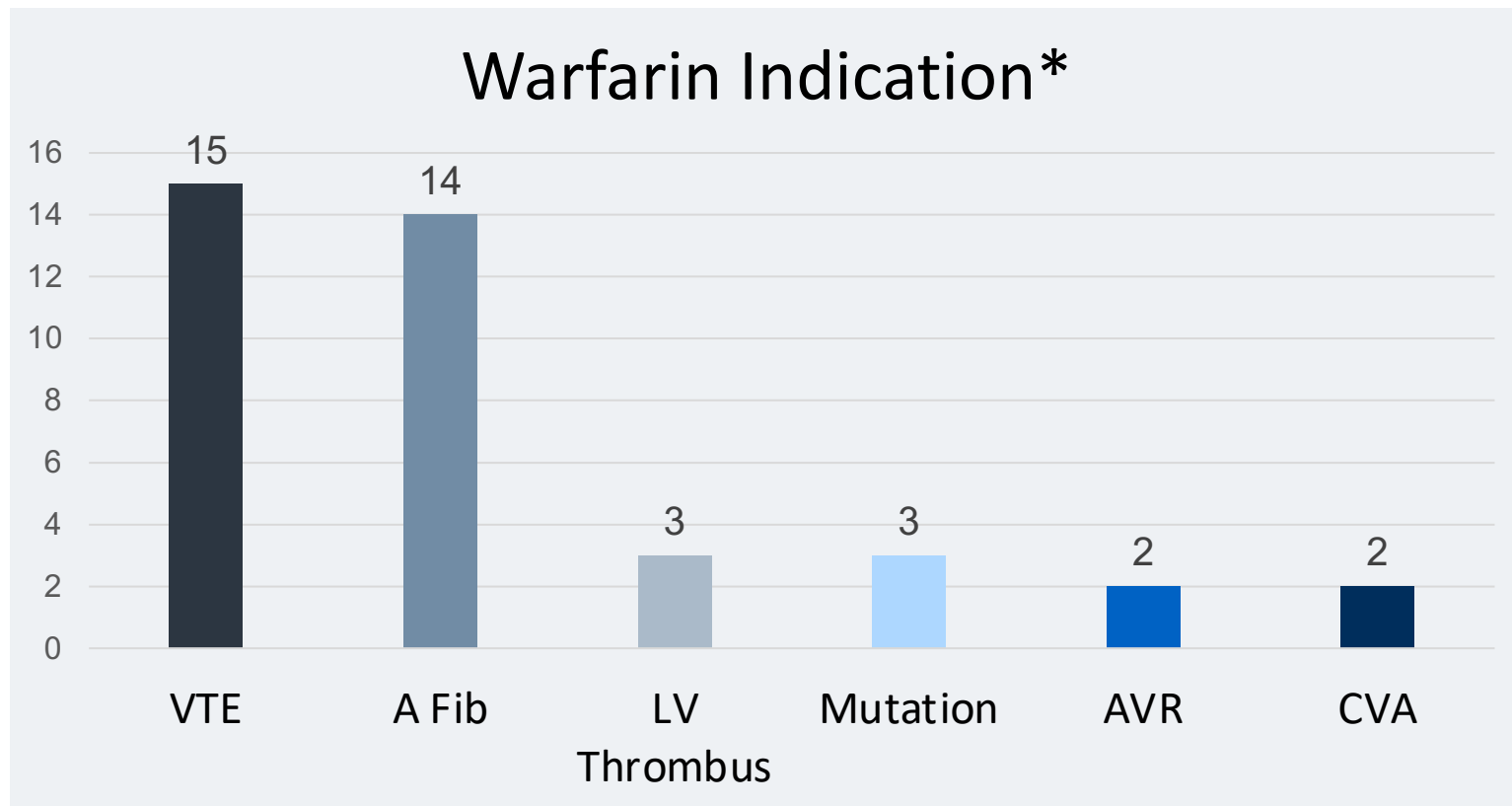
Exclusion Criteria:

 - Warfarin managed outside the clinic
 - No anticoagulation encounter with pharmacist between 11/1/2019 and 8/12/2020
 - Patient deceased

Results



INR Goal	# of Patients
2.0-3.0	34
2.5-3.0	1



Indication	# of Patients
◆ Venous Thromboembolism (VTE)	15 (42.9%)
◆ Atrial Fibrillation (A Fib)	14 (40%)
◆ Left Ventricular Thrombus (LV Thrombus)	3 (8.6%)
◆ Clotting Mutation	3 (8.6%)
◆ Aortic Valve Replacement (AVR)	2 (5.7%)
◆ Cerebrovascular Accident (CVA)	2 (5.7%)

Evaluation

- Of patients taking warfarin for VTE, 60% of patients had recurrent VTE
- In the future, could compare clinic warfarin use to that of direct-acting oral anticoagulants

Conclusion

- Total of six different indications for warfarin use within the Family Health Clinic
- Majority of patients had an INR goal of 2.0-3.0
- Findings will be communicated with providers

References

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2. COUMADIN-warfarin sodium. [package insert]. Princeton, New Jersey: Bristol-Myers Squibb Company; 2011.

Disclosure

Lauren Martens, PharmD: No disclosures
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